

GenCore version 5.1.6
Copyright (c) 1993 - 2005 Compugen Ltd.

OM nucleic - nucleic search, using sw model

Run on: September 3, 2005, 07:35:04 ; Search time 1164 Seconds
(without alignments)
9637.703 Million cell updates/sec

Title: US-09-721-183-2

Perfect score: 1713

Sequence: 1 atcgattgaccaggatga.....gattttttctctgtgac 1713

Scoring table: IDENTITY_NUC

Gapop 10.0 , Gapext 1.0

Searched: 7338684 seqs, 3274456166 residues

Total number of hits satisfying chosen parameters: 14677368

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications NA:**

1: /cgn2_6/ptodata/1/pubpna/US07_PUBCOMB.seq.*
2: /cgn2_6/ptodata/1/pubpna/PCT_NEW_PUB.seq.*
3: /cgn2_6/ptodata/1/pubpna/US06_NEW_PUB.seq.*
4: /cgn2_6/ptodata/1/pubpna/US06_PUBCOMB.seq.*
5: /cgn2_6/ptodata/1/pubpna/US07_NEW_PUB.seq.*
6: /cgn2_6/ptodata/1/pubpna/PCTUS_PUBCOMB.seq.*
7: /cgn2_6/ptodata/1/pubpna/US08_NEW_PUB.seq.*
8: /cgn2_6/ptodata/1/pubpna/US08_PUBCOMB.seq.*
9: /cgn2_6/ptodata/1/pubpna/US09A_PUBCOMB.seq.*
10: /cgn2_6/ptodata/1/pubpna/US09B_PUBCOMB.seq.*
11: /cgn2_6/ptodata/1/pubpna/US09C_PUBCOMB.seq.*
12: /cgn2_6/ptodata/1/pubpna/US09_NEW_PUB.seq.*
13: /cgn2_6/ptodata/1/pubpna/US10A_PUBCOMB.seq.*
14: /cgn2_6/ptodata/1/pubpna/US10B_PUBCOMB.seq.*
15: /cgn2_6/ptodata/1/pubpna/US10C_PUBCOMB.seq.*
16: /cgn2_6/ptodata/1/pubpna/US10D_PUBCOMB.seq.*
17: /cgn2_6/ptodata/1/pubpna/US10E_PUBCOMB.seq.*
18: /cgn2_6/ptodata/1/pubpna/US10F_PUBCOMB.seq.*
19: /cgn2_6/ptodata/1/pubpna/US10G_PUBCOMB.seq.*
20: /cgn2_6/ptodata/1/pubpna/US10H_PUBCOMB.seq.*
21: /cgn2_6/ptodata/1/pubpna/US10I_PUBCOMB.seq.*
22: /cgn2_6/ptodata/1/pubpna/US10_NEW_PUB.seq.*
23: /cgn2_6/ptodata/1/pubpna/US11A_PUBCOMB.seq.*
24: /cgn2_6/ptodata/1/pubpna/US11_NEW_PUB.seq.*
25: /cgn2_6/ptodata/1/pubpna/US60_NEW_PUB.seq.*
26: /cgn2_6/ptodata/1/pubpna/US60_PUBCOMB.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	1694.6	98.9	1712	US-09-981-353-189	Sequence 189, Appl
2	1694.6	98.9	1712	US-10-158-646-42	Sequence 42, Appl
3	1570.6	91.7	2844	US-10-138-846-13134	Sequence 13134, A
4	1452.4	84.8	2799	US-09-880-107-3756	Sequence 3756, Ap
5	1451.4	84.7	1991	US-10-057-834-1	Sequence 1, Appli
6	1450	84.6	1855	US-09-880-107-2120	Sequence 2120, Ap
7	1450	84.6	1855	US-09-968-007A-368	Sequence 368, Appl

8	1450	84.6	1855	11	US-09-968-007A-735	Sequence 735, App
9	1450	84.6	1855	20	US-10-783-528-57	Sequence 57, Appl
10	1450	84.6	1855	21	US-10-843-641A-6838	Sequence 6838, Ap
11	1450	84.6	1855	21	US-10-843-641A-7205	Sequence 7205, Ap
12	1443.6	84.3	1854	14	US-10-305-522-39	Sequence 39, Appl
13	1436.4	83.9	1714	9	US-09-981-353-193	Sequence 193, Appl
14	1374	80.2	1639	18	US-10-468-125-18	Sequence 18, Appl
15	1354.2	79.1	2092	14	US-10-205-522-7	Sequence 7, Appli
16	1343	78.4	2093	9	US-09-880-107-3842	Sequence 3842, Ap
17	1190.8	69.5	1829	16	US-10-252-157-24	Sequence 24, Appl
18	1188.8	69.4	1976	14	US-10-305-522-112	Sequence 112, App
19	1188.8	69.4	2090	9	US-09-880-107-3292	Sequence 3292, Ap
20	1178	68.8	2150	9	US-09-981-353-45	Sequence 45, Appl
21	1178	68.8	2150	16	US-10-252-157-25	Sequence 25, Appl
22	1154.6	67.4	2123	9	US-09-880-107-3286	Sequence 3286, Ap
23	1128.8	65.9	1413	13	US-10-060-311-1	Sequence 1, Appli
24	1128.8	65.9	1413	19	US-10-778-300-1	Sequence 1, Appli
25	1128.8	65.9	1413	24	US-11-013-907-1	Sequence 1, Appli
26	1075.8	62.8	1614	18	US-10-381-898-24	Sequence 24, Appl
27	1014.2	59.2	1662	18	US-10-307-817-117	Sequence 117, App
28	997.8	58.2	1608	21	US-10-498-788-57	Sequence 57, Appl
29	948.6	55.4	2573	21	US-10-764-420-2410	Sequence 2410, Ap
30	942.8	55.0	1961	9	US-09-917-800A-1403	Sequence 1403, Ap
31	928.6	54.2	1606	17	US-10-042-865-27	Sequence 27, Appl
32	928.6	54.2	1606	18	US-10-072-012-151	Sequence 151, App
33	870.2	50.8	1844	14	US-10-175-523-59	Sequence 59, Appl
34	870.2	50.8	1844	24	US-11-099-266-59	Sequence 59, Appl
35	833	48.6	2634	17	US-10-388-934-169	Sequence 169, App
36	832.6	48.6	1947	18	US-10-152-319A-2121	Sequence 2121, Ap
37	832.6	48.6	1947	21	US-10-486-706-279	Sequence 279, App
38	828.6	48.4	1593	18	US-10-152-319A-1908	Sequence 1908, Ap
39	797	46.5	1224	18	US-10-381-898-32	Sequence 32, Appl
40	751.2	43.9	1756	15	US-10-235-994-27	Sequence 27, Appl
41	744.4	43.5	3006	9	US-09-962-678-1	Sequence 1, Appli
42	744.4	43.5	3006	17	US-10-184-648-38	Sequence 38, Appl
43	742.8	43.4	1636	9	US-09-981-353-165	Sequence 165, App
44	742.8	43.4	1636	17	US-10-258-080-11	Sequence 11, Appl
45	742.8	43.4	1705	18	US-10-114-270-51	Sequence 51, Appl

ALIGNMENTS

RESULT 1
US-09-981-353-189
; Sequence 189, Application US/09981353
; Patent No. US20020160382A1
; GENERAL INFORMATION:
; APPLICANT: Lasek, Amy W.
; TITLE OF INVENTION: GENES EXPRESSED IN COLON CANCER
; FILE REFERENCE: PA-0038 US
; CURRENT APPLICATION NUMBER: US/09/981.353
; CURRENT FILING DATE: 2001-10-11
; NUMBER OF SEQ ID NOS: 194
; SOFTWARE: PERL Program
; SEQ ID NO 189
; LENGTH: 1712
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No. US20020160382A1 480489.5
US-09-981-353-189

Query Match
Best Local Similarity 98.9%; Score 1694.6; DB 9; Length 1712;
Matches 1703; Conservative 0; Mismatches 4; Indels 1; Gaps 1;
Qy 1 ATCCGATGCACCGAGTACTCTGAATGAGCTTCAGTTCTTCTGCTGATACATCTCA 60
Db 1 ATCCGATGCACCGAGTACTCTGAATGAGCTTCAGTTCTTCTGCTGATACATCT-CA 59

```
QY 61 GTTGTACTTTAGCTCTGGAGTTCGTGGAAGAGTCTGCTGTGGCCGCGAGAATACAGCC 120
Db |||||
QY 60 GTTGTACTTTAGCTCTGGAGTTCGTGGAAGAGTCTGCTGTGGCCGCGAGAATACAGCC 119
Db |||||
QY 121 ATTGGATGAATATGAAGCAATCCCTGGAAGAGCTTGTTCAGAGAGGTTCATGAGGTGACTG 180
Db |||||
QY 120 ATTGGATGAATATGAAGCAATCCCTGGAAGAGCTTGTTCAGAGAGGTTCATGAGGTGACTG 179
Db |||||
QY 181 TACTGGCATCTTCAGCTCCATCTCTTTTGTGATGCCAATGATGCAATCCCTCTTAAATTTG 240
Db |||||
QY 180 TACTGGCATCTTCAGCTCCATCTCTTTTGTGATGCCAATGATGCAATCCCTCTTAAATTTG 239
Db |||||
QY 241 AAGTTTATCCCTACATCTTTAACTAAACTGTAATTTGAGAAATATCATGCAACAGGTTA 300
Db |||||
QY 240 AAGTTTATCCCTACATCTTTAACTAAACTGTAATTTGAGAAATATCATGCAACAGGTTA 299
Db |||||
QY 301 AGAGATGCTCAGACATTCGAAAGAGTAGCTTTTGGTTATATTTTTCACAAAGAACAAAGAAA 360
Db |||||
QY 300 AGAGATGCTCAGACATTCGAAAGAGTAGCTTTTGGTTATATTTTTCACAAAGAACAAAGAAA 359
Db |||||
QY 361 TCCTGTGGGAATATATGACATATTTAGAACTCTCTGTAAGAGATGATGTTTCAAATAAGA 420
Db |||||
QY 360 TCCTGTGGGAATATATGACATATTTAGAACTCTCTGTAAGAGATGATGTTTCAAATAAGA 419
Db |||||
QY 421 AAGTTTATGAAAAAACTACAAGAGTCAAGATTTGACATCGTTTTCAGAGATGCTGTTTTTC 480
Db |||||
QY 420 AAGTTTATGAAAAAACTACAAGAGTCAAGATTTGACATCGTTTTCAGAGATGCTGTTTTTC 479
Db |||||
QY 481 CCTGTGGTGAGCTGCTGGCTGGCTGCTTAACTACACGGTTCGTGACAGTCTCCGCTTTA 540
Db |||||
QY 480 CCTGTGGTGAGCTGCTGGCTGGCTGCTTAACTACACGGTTCGTGACAGTCTCCGCTTTA 539
Db |||||
QY 541 CTCCTGGCTACAAATGAAAGGCACAGTGGAGGACTGATTTTCCTCTCTTCAATACATAC 600
Db |||||
QY 540 CTCCTGGCTACAAATGAAAGGCACAGTGGAGGACTGATTTTCCTCTCTTCAATACATAC 599
Db |||||
QY 601 CTATTTGTTATGTCRAAAATTAAGTGATCAATGACHTTTCATGGAGAGGGTAAATAATAGA 660
Db |||||
QY 600 CTATTTGTTATGTCRAAAATTAAGTGATCAATGACHTTTCATGGAGAGGGTAAATAATAGA 659
Db |||||
QY 661 TCTATGTGCTTTATTTGACHTTTCGTTTCCAAATGCTGATATGAAGTGGGATCAGT 720
Db |||||
QY 660 TCTATGTGCTTTATTTGACHTTTCGTTTCCAAATGCTGATATGAAGTGGGATCAGT 719
Db |||||
QY 721 TTTACAGTGAAGTTTATGAAAGACCCACTACTATTTTGAACAATGGGAAAAGCTGACA 780
Db |||||
QY 720 TTTACAGTGAAGTTTATGAAAGACCCACTACTATTTTGAACAATGGGAAAAGCTGACA 779
Db |||||
QY 781 TATGGCTTTATGCGAAACTCCTGGAGTTTTCATTTCCCTCATCCATCTTACCAACGTTG 840
Db |||||
QY 780 TATGGCTTTATGCGAAACTCCTGGAGTTTTCATTTCCCTCATCCATCTTACCAACGTTG 839
Db |||||
QY 841 ATTTTGTGTGGAGGATTCACACTGGCAAACTGCGCAAAACCCCTACCTTAAGGAAATGGAGGAG 900
Db |||||
QY 840 ATTTTGTGTGGAGGATTCACACTGGCAAACTGCGCAAAACCCCTACCTTAAGGAAATGGAGGAG 899
Db |||||
QY 901 TTTGTACAGAGCTCTGGAGAAAATGGTGTGTGTGGTGTGTTTCTCTGGGGTCAAGTAAAGT 960
Db |||||
QY 900 TTTGTACAGAGCTCTGGAGAAAATGGTGTGTGTGGTGTGTTTCTCTGGGGTCAAGTAAAGT 959
Db |||||
QY 961 AACATGACAGCAGAAAGGCCAATGTAATTTGCAACAGCCCTTGCACAGATCCCAAAAG 1020
Db |||||
QY 960 AACATGACAGCAGAAAGGCCAATGTAATTTGCAACAGCCCTTGCACAGATCCCAAAAG 1019
Db |||||
QY 1021 GTTCTGTGGAGATTTGATGGGAATAAAACAGATGCTTTAGTGTCTCAATCTCGGCTGTPAT 1080
Db |||||
QY 1020 GTTCTGTGGAGATTTGACGGGATTAACAGATGCTTTAGTGTCTCAATCTCGGCTGTPAC 1079
Db |||||
QY 1081 AAGTGGATACCCAGAAATGACCTCTAGGTTCATCCAAAAACAGAGCTTTTATTAACCTCAT 1140
Db |||||
QY 1080 AAGTGGATACCCAGAAATGACCTCTAGGTTCATCCAAAAACAGAGCTTTTATTAACCTCAT 1139
Db |||||
QY 1141 GGTGGAGCCAATGGCATCTATGAGGCAATCTACCATGGGATCCCTTATGGTGGGCATTCCA 1200
Db |||||
```

```
Db 1140 GGTGGAGCCAATGGCATCTATGAGGCAATCTACCATGGGATCCCTATGGTGGGCATTCCTCA 1199
QY 1201 TTGTTTTGGGATCAACCTGATAACATTTGCTCACATGAAGGCCAAAGGGAGCAGCTGTTAGA 1260
Db |||||
QY 1200 TTGTTTTGGGATCAACCTGATAACATTTGCTCACATGAAGGCCAAAGGGAGCAGCTGTTAGA 1259
Db |||||
QY 1261 TTGGAATCAACAAATGTCGAGTACAGACCTGCTGTAATGCACTGAAGACAGATTAATTAAT 1320
Db |||||
QY 1260 TTGGAATCAACAAATGTCGAGTACAGACCTGCTGTAATGCACTGAAGACAGATTAATTAAT 1319
Db |||||
QY 1321 GATCCTTTATATAAAGAGAAATATTATGAAAATTTATCAAGAAATTTCAACATGATCAACCCAGTA 1380
Db |||||
QY 1320 GATCCTTTATATAAAGAGAAATATTATGAAAATTTATCAAGAAATTTCAACATGATCAACCCAGTA 1379
Db |||||
QY 1381 AAGCCCTCGGATCGAGCAGTCTTCTGGATTTGAATTTGTCATGCCCCCAACAAAGGAGCCAAA 1440
Db |||||
QY 1380 AAGCCCTCGGATCGAGCAGTCTTCTGGATTTGAATTTGTCATGCCCCCAACAAAGGAGCCAAA 1439
Db |||||
QY 1441 CACCTTCGAGTTGAGGCCCATGACCTCACCTGGTTCCAGTACCACTCTTTGGATGTTGATTT 1500
Db |||||
QY 1440 CACCTTCGAGTTGAGGCCCATGACCTCACCTGGTTCCAGTACCACTCTTTGGATGTTGATTT 1499
Db |||||
QY 1501 GGGTTTCTGCTGGCTCTGTGGCAACTGTGATATTTTATCATCAAAAAGTTTGTCTGTTT 1560
Db |||||
QY 1500 GGGTTTCTGCTGGCTCTGTGGCAACTGTGATATTTTATCATCAAAAAGTTTGTCTGTTT 1559
Db |||||
QY 1561 TGTTCCTGGAAGTTTGTAGAAAAGGGAAGGAAAAGAGATTAGTTATGTTCTGAC 1620
Db |||||
QY 1560 TGTTCCTGGAAGTTTGTAGAAAAGGGAAGGAAAAGAGATTAGTTATGTTCTGAC 1619
Db |||||
QY 1621 TTTGAAGCTGGAATAACAGATAGATAGGACAACTTCAGTTTATTCAGCAAGAAAGAAAA 1680
Db |||||
QY 1620 TTTGAAGCTGGAATAACAGATAGATAGGACAACTTCAGTTTATTCAGCAAGAAAGAAAA 1679
Db |||||
QY 1681 GATTGTTATGCAAGATTTCTTCTCTCTGTTGAC 1713
Db |||||
QY 1680 GATTGTTATGCAAGATTTCTTCTCTCTGTTGAC 1712
Db |||||
```

RESULT 2
US-10-158-646-42
; Sequence 42, Application US/10158646
; Publication No. US20030073105A1
; GENERAL INFORMATION:
; APPLICANT: Lasek, Amy K.W.
; APPLICANT: Sornasse, Thierry
; TITLE OF INVENTION: GENES EXPRESSED IN COLON CANCER
; FILE REFERENCE: PA-0030-1 US
; CURRENT APPLICATION NUMBER: US/10/158,646
; CURRENT FILING DATE: 2002-05-29
; PRIOR APPLICATION NUMBER: 60/295,239
; PRIOR FILING DATE: 2001-05-31
; NUMBER OF SEQ ID NOS: 78
; SOFTWARE: PERL Program
; SEQ ID NO 42
; LENGTH: 1712
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; OTHER INFORMATION: Incyte ID No. US20030073105A1 480489.3
US-10-158-646-42

Query Match 98.9%; Score 1694.6; DB 14; Length 1712;
Best Local Similarity 99.7%; Pred. No. 0;
Matches 1708; Conservative 0; Mismatches 4; Indels 1; Gaps 1;
QY 1 ATCGCATTGCAACCAAGGATGACTCTGAAATGCACTTCAGTTCTTCTGCTGATACATCTCCA 60
Db 1 ATCGCATTGCAACCAAGGATGACTCTGAAATGCACTTCAGTTCTTCTGCTGATACATCT-CA 59
QY 61 GTTGTACTTTAGCTCTGGGAGTTGTGGAAGAGTGTGTTGGGCCGCGAGAATACAGCC 120

```
Db 60 GTTGTACTTTAGCTCTGGAGTTGTGGAAGAGTGTGCTGTGGCCGCGAGAATACAGCC 119
Qy 121 ATTGATGATATGAGCAATCCCTGAAGAGCTTTGTTTCAGAGAGGTATGAGGTGACTG 180
Db 120 ATTGATGATATGAGCAATCCCTGAAGAGCTTTGTTTCAGAGAGGTATGAGGTGACTG 179
Qy 181 TACTGGCATCTTCAGCTTCCATCTCTTTTGTATGCCAATGATCATCCACTCTTTAAATTTG 240
Db 180 TACTGGCATCTTCAGCTTCCATCTCTTTGATCCCAATGATCATCCACTCTTTAAATTTG 239
Qy 241 AAGTTTATCCTACATCTTTAACTAAACCTGAATTTGAGAAATATCATATGCAACAGGTTA 300
Db 240 AAGTTTATCCTACATCTTTAACTAAACCTGAATTTGAGAAATATCATATGCAACAGGTTA 299
Qy 301 AGAGATGTCAGACATTCGAAAGAGTACCTTTTGTGTTATTTTTCAGAGCAACAGAAA 360
Db 300 AGAGATGTCAGACATTCGAAAGAGTACCTTTTGTGTTATTTTTCAGAGCAACAGAAA 359
Qy 361 TCCTGTGGAAATATATGACATATTTAGAAACTTCTGTAAAGATGTAGTTTCAAAATAGA 420
Db 360 TCCTGTGGAAATATATGACATATTTAGAAACTTCTGTAAAGATGTAGTTTCAAAATAGA 419
Qy 421 AAGTTATGAAAAAATAAAGAGTCAAGATTTGACATCGTTTTCGAGATGCTGTTTTTC 480
Db 420 AAGTTATGAAAAAATAAAGAGTCAAGATTTGACATCGTTTTCGAGATGCTGTTTTTC 479
Qy 481 CCGTGTGAGCTGCTGGCTGGCTACTTAACATAGCGTTTGTGTACAGTCTCCGCTTTA 540
Db 480 CCGTGTGAGCTGCTGGCTGGCTACTTAACATAGCGTTTGTGTACAGTCTCCGCTTTA 539
Qy 541 CTCCTGGCTACAAATTTGAAAGGCAAGTGGAGGACTGATTTCCCTCTCTCTACATAC 600
Db 540 CTCCTGGCTACAAATTTGAAAGGCAAGTGGAGGACTGATTTCCCTCTCTCTACATAC 599
Qy 601 CTATTGTTATGTCAAAATTAAGTATCAAAATGACTTTTCATGAGAGGGTAAATAATGA 660
Db 600 CTATTGTTATGTCAAAATTAAGTATCAAAATGACTTTTCATGAGAGGGTAAATAATGA 659
Qy 661 TCTATGTGCTTTATTTGACTTTTGGTTCCTCAATCTCTGATATGAAGTGGATCAGT 720
Db 660 TCTATGTGCTTTATTTGACTTTTGGTTCCTCAATCTCTGATATGAAGTGGATCAGT 719
Qy 721 TTTACAGTGAAGTTTGTAGGAACCCACTACCTTATTTGAGACAATGGAAAAGCTGACA 780
Db 720 TTTACAGTGAAGTTTGTAGGAACCCACTACCTTATTTGAGACAATGGAAAAGCTGACA 779
Qy 781 TATGCTTTATGCGAAATCCTCGAGTTTCAATTTCTCATCCATCTTTACCAAAAGCTTG 840
Db 780 TATGCTTTATGCGAAATCCTCGAGTTTCAATTTCTCATCCATCTTTACCAAAAGCTTG 839
Qy 841 ATTTTGTGGAGATTCCTACCTGGCAACCTGCAAAACCTTACCTAAGGAATGGAGAG 900
Db 840 ATTTTGTGGAGATTCCTACCTGGCAACCTGCAAAACCTTACCTAAGGAATGGAGAG 899
Qy 901 TTTGTACAGAGCTCTGGAGAAATGCTGTGTGGTGTCTCTGGGTGCTAGTGAAGT 960
Db 900 TTTGTACAGAGCTCTGGAGAAATGCTGTGTGGTGTCTCTGGGTGCTAGTGAAGT 959
Qy 961 AACATGACAGCAAGAGGCCAATGTAAATGCAACAGCCCTTTCGCAAGATCCCAAAAAG 1020
Db 960 AACATGACAGCAAGAGGCCAATGTAAATGCAACAGCCCTTTCGCAAGATCCCAAAAAG 1019
Qy 1021 GTTCTGTGGAGATTTGATGGGAATAAACAGATAGCTTGTAGTCTCAATCTCGGCTGTAT 1080
Db 1020 GTTCTGTGGAGATTTGATGGGAATAAACAGATAGCTTGTAGTCTCAATCTCGGCTGTAT 1079
Qy 1081 AAGTGTATCCCGAGAACTGACCTTCTAGGTATCAAAACAGAGCTTTTATTAATCTCAT 1140
Db 1080 AAGTGTATCCCGAGAACTGACCTTCTAGGTATCAAAACAGAGCTTTTATTAATCTCAT 1139
Qy 1141 GGTGGAGCCAATGGCATCTATGAGGCAATCTACCTATGGGATCCCTATGTTGGGCAATCCA 1200
```

```
Db 1140 GGTGGAGCCAATGGCATCTATGAGGCAATCTACCTATGGGATCCCTATGTTGGGCAATCCA 1199
Qy 1201 TTGTTTTGGGATCAACCTGATAAATGCTCTCACATGAAGGCCAAGGGAGAGCTGTTAGA 1260
Db 1200 TTGTTTTGGGATCAACCTGATAAATGCTCTCACATGAAGGCCAAGGGAGAGCTGTTAGA 1259
Qy 1261 TTGACTTTCAACAACAATGTCGAGTACAGACCTGCTGAATGCACTGGAACAGTAAATTAAT 1320
Db 1260 TTGACTTTCAACAACAATGTCGAGTACAGACCTGCTGAATGCACTGGAACAGTAAATTAAT 1319
Qy 1321 GATCCTTTATATAAAGAGAAATATTATGAATTTATCAAGAAATCAACATGATCAACAGTA 1380
Db 1320 GATCCTTTATATAAAGAGAAATATTATGAATTTATCAAGAAATCAACATGATCAACAGTA 1379
Qy 1381 AAGCCCTCGGATCGAGCAGTCTCTGGAATTCAAATTTGTATGCCCCCAAAAGGAGCCAAA 1440
Db 1380 AAGCCCTCGGATCGAGCAGTCTCTGGAATTTGATGTTGATGCCCCCAAAAGGAGCCAAA 1439
Qy 1441 CACCTTCGAGTTGAGGCCCATGACCTCACCTGGTTTCAGTACCACCTCTTTGGATGTGATT 1500
Db 1440 CACCTTCGAGTTGAGGCCCATGACCTCACCTGGTTTCAGTACCACCTCTTTGGATGTGATT 1499
Qy 1501 GGGTTTCCTGCTGGCTGTGCGCAACTGTGTATTTATCATCACAAAGTTTGTCTGTTT 1560
Db 1500 GGGTTTCCTGCTGGCTGTGCGCAACTGTGTATTTATCATCACAAAGTTTGTCTGTTT 1559
Qy 1561 TGTTTCTGGAAGTTTGTGTAGAAAAGGGAAGGAAGGAAAAGAGATTAGTTATGTTCTGACA 1620
Db 1560 TGTTTCTGGAAGTTTGTGTAGAAAAGGGAAGGAAGGAAAAGAGATTAGTTATGTTCTGACA 1619
Qy 1621 TTTGAAGCTGGAACACAGATAGTAGGACAACCTTCAGTTTATTCACCAAGAAAGAAAA 1680
Db 1620 TTTGAAGCTGGAACACAGATAGTAGGACAACCTTCAGTTTATTCACCAAGAAAGAAAA 1679
Qy 1681 GATTGTTATGCAAGATTTCTTTCTCTCTGTCAC 1713
Db 1680 GATTGTTATGCAAGATTTCTTTCTCTCTGTCAC 1712
```

RESULT 3

```
US-10-198-846-13134
; Sequence 13134, Application US/10198846
; Publication No. US20030099974A1
; GENERAL INFORMATION:
; APPLICANT: Lillie, James
; APPLICANT: Xu, Yongyao
; APPLICANT: Wang, Youzhen
; APPLICANT: Steimann, Kathleen
; TITLE OF INVENTION: NOVEL GENES, COMPOSITIONS, KITS, AND METHODS
; TITLE OF INVENTION: FOR IDENTIFICATION, ASSESSMENT, PREVENTION, AND
; FILE REFERENCE: MRI-049
; CURRENT APPLICATION NUMBER: US/10/198,846
; PRIOR FILING DATE: 2002-07-18
; PRIORITY APPLICATION NUMBER: 60/306,220
; NUMBER OF SEQ ID NOS: 14084
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 13134
; LENGTH: 2844
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: 2824, 2825, 2826, 2827, 2828, 2829, 2830, 2831, 2832, 2833,
; LOCATION: 2834, 2835, 2836, 2837, 2838, 2839, 2840, 2841, 2842, 2843,
; LOCATION: 2844
; OTHER INFORMATION: n = A,T,C or G
US-10-198-846-13134
```

```
Query Match 91.7%; Score 1570.6; DB 14; Length 2844;
Best Local Similarity 96.4%; Pred. NO. 0;
Matches 1628; Conservative 0; Mismatches 59; Indels 2; Gaps 2;
```

QY 3 CGCATTGCACAGGATGACTCTGAATGGAATTCAGTTCTCTCTGCTGATACATCTCCAGT 62
DB 20 CGCATTGCACAGGATGACTCTGAATGGAATTCAGTTCTCTCTGCTGATACATCT- CAGT 78
QY 63 TGTACTTTAGCTCTGGGAGTTGTGGAAAAGTGTGGTGTGGCCGCGAGAATACAGCCAT 122
DB 79 TGTACTTTAGCTCTGGGAGTTGTGGAAAAGTGTGGTGTGGCCGCGAGAATACAGCCAT 138
QY 123 TGGATGAATATGAAGACAATCTGAAAAGAGCTTGTTCAGAGAGGTTCATGAGGTGACTGTA 182
DB 139 TGGATGAATATGAAGACAATCTGAAAAGAGCTTGTTCAGAGAGGTTCATGAGGTGACTGTA 198
QY 183 CTGGCATCTTCAGCTTCCATCTCTTTTGTATCCCAATGATGCATCCACTCTTAAATTTGAA 242
DB 199 CTGGCATCTTCAGCTTCCATCTCTTTTGTATCCCAATGATGCATCCACTCTTAAATTTGAA 258
QY 243 GTTTATCTTACATCTTTAACTAAAACCTGAATTTGAGAATATCATCATGCAACAGGTTAAG 302
DB 259 GTTTATCTTACATCTTTAACTAAAACCTGAATTTGAGAATATCATCATGCAACAGGTTAAG 318
QY 303 AGATGGTCAGACATTCGAAAAGATAGCTTTTGGTTTATATTTTTCACAGAAACAGAAATC 362
DB 319 AGATGGTCAGACATTCGAAAAGATAGCTTTTGGTTTATATTTTTCACAGAAACAGAAATC 378
QY 363 CTGTGGGAATTTATGACATATTTAGAACTTCTGTAAGATGTAGTTTCAATAAGAAA 422
DB 379 CTGTGGGAATTTATGACATATTTAGAACTTCTGTAAGATGTAGTTTCAATAAGAAA 438
QY 423 GTTATGAAAAAACTACAAGAGTCAAGATTTGACATCGTTTTTGCAGATGCTGTTTTTCCC 482
DB 439 GTTATGAAAAAACTACAAGAGTCAAGATTTGACATCGTTTTTGCAGATGCTGTTTTTCCC 498
QY 483 TGTGTGAGCTGCTGGCTGCGCTACTTAACATACCGTTTGTGTACAGTCTCCGCTTTACT 542
DB 499 TGTGTGAGCTGCTGGCTGCGCTACTTAACATACCGTTTGTGTACAGTCTCCGCTTTACT 558
QY 543 CTTGGCTACACAATTTGAAGGCACAGTGGAGACTGATTTTCCCTCTTCTACATACCT 602
DB 559 CTTGGCTACACAATTTGAAGGCACAGTGGAGACTGATTTTCCCTCTTCTACATACCT 618
QY 603 ATTTGTTATGTCAAAATTAAGTGATCAAAATGACTTTTCATGGAGAGGTAAAAAATATGATC 662
DB 619 ATTTGTTATGTCAAAATTAAGTGATCAAAATGACTTTTCATGGAGAGGTAAAAAATATGATC 678
QY 663 TATGTGCTTTATTTTGACTTTTGGTTTCCAAATGTCTGATATGAAGAGTGGGATCAGTTT 722
DB 679 TATGTGCTTTATTTTGACTTTTGGTTTCCAAATGTCTGATATGAAGAGTGGGATCAGTTT 738
QY 723 TACAGTGAAGTTTATAGGAGACCCACTACCTTATTTGAGACAAATGGGAAAAGCTGACATA 782
DB 739 TACAGTGAAGTTTATAGGAGACCCACTACCTTATTTGAGACAAATGGGAAAAGCTGACATA 798
QY 783 TGGCTTATGCGAAAACCTCTGGAGTTTCAATTTCTCTCATCCATCTTACCAAACTTGAT 842
DB 799 TGGCTTATGCGAAAACCTCTGGAGTTTCAATTTCTCTCATCCATCTTACCAAACTTGAT 858
QY 843 TTTGTTGGAGGATTCACATGGCAAAACCTGCCAAACCCCTACTAAGGAAAATGGAGAGTT 902
DB 859 TTTGTTGGAGGATTCACAT- GCAAACTGCCAAACCCCTACTAAGGAAAATGGAGAGTT 917
QY 903 TGTACAGAGCTCTGAGAAAATGGTGTGTGGTGTGTTTCTCTGGGTCAGTGTAAAGTAA 962
DB 918 TGTACAGAGCTCTGAGAAAATGGTGTGTGGTGTGTTTCTCTGGGTCAGTGTAAAGTAA 977
QY 963 CATGACAGCAAGAGGGCAATGTATTTGCAACAGCCCTTGCAGAGATCCCACAAAAAGGT 1022
DB 978 CATGACAGCAAGAGGGCAACGTAAATTTGCAACAGCCCTTGCAGAGATCCCACAAAAAGGT 1037
QY 1023 TCTGTGAGATTTGATGGGAATAAACAGAGATGCTTTAGGTCTCAATATCTCGGCTGTATPA 1082
DB 1038 TCTGTGAGATTTGATGGGAATAAACAGAGATGCTTTAGGTCTCAATATCTCGGCTGTATPA 1097

QY 1083 GTGGATATCCCGAGAAATGACCTTTCTAGTCTATCCAAAACACAGAGCTTTTATAACTCATGG 1142
DB 1098 GTGGATATCCCGAGAAATGACCTTTCTAGTCTTTCCAAAACACAGAGCTTTTATAACTCATGG 1157
QY 1143 TGGAGCCAAATGGCATCTATGAGGCAATCTCATGAGGATCCCTATGTTGGGCATTTCCATT 1202
DB 1158 TGGAGCCAAATGGCATCTATGAGGCAATCTCATGAGGATCCCTATGTTAGGCATTTCCATT 1217
QY 1203 GTTTTGGGATCAACCTGATAAATGCTCTCATGAAAGGCCAAAGGAGCAGCTGTAGATT 1262
DB 1218 GTTTTGGGATCAACCTGATAAATGCTCTCATGAAAGGCCAAAGGAGCAGCTGTAGACT 1277
QY 1263 GGACTTCAACACAAATGTCGAGTACAGACCTGCTCAATGCACTGAAGACAGTAATTAATGA 1322
DB 1278 GGACTTCAACACAAATGTCGAGTACAGACCTGCTCAATGCACTGAAGACAGTAATTAATGA 1337
QY 1323 TCCCTTTATATAAGAGAAATATTTATGAATTTATCAAGAAATTCACAATGATCAACCAAGTAAA 1382
DB 1338 TCCCTTCATATAAGAGAAATATTTATGAATTTATCAAGAAATTCACAATGATCAACCAAGTAAA 1397
QY 1383 GCCCTCGATCGAGCAGTCTTCTGGATTGAATTTGTGCATGCCCCCAAAAGAGGCCAAACA 1442
DB 1398 GCCCTCGATCGAGCAGTCTTCTGGATTGAATTTGTGCATGCCCCCAAAAGAGGCCAAACA 1457
QY 1443 CCTTCGAGTTGCGAGCCCATGACCTCACCTGCTTCCAGTACCACCTTTTGGATGTGATTGG 1502
DB 1458 TCCTTCGAGTTGCGAGCCCATGACCTCACCTGCTTCCAGTACCACCTTTTGGATGTGATTGG 1517
QY 1503 GTTTCTGCTGCTGCTGTGTGCAACTGTGATATTTATCATCAAAAGTTTGTCTGTGTTTG 1562
DB 1518 GTTCTCTGCTGCTGCTGTGTGCAACCGTGTATTTATCATCAAAAGTGTGTCTGTGTTTG 1577
QY 1563 TTTCTCGAAGTTTGTCTAGAAAAGGGAAGAGGAAAAGAGATTAGTTATGCTGTGACATT 1622
DB 1578 TTTCTCGAAGTTTGTCTAGAAAAGGGAAGAGGAAAAGGATTAGTTATATCTGAGATT 1637
QY 1623 TGAAGCTGGAACCAACAGATAGTAGGACAACTTCAGTTTATCCAGCAAGAAAGAAAGA 1682
DB 1638 TGAAGCTGGAAGATTCGGTTTATTTGAAGATTCAGGTTAACTGATCAAGTTAACCCAGT 1697
QY 1683 TTGTTATGC 1691
DB 1698 CTCAATGC 1706

RESULT 4

US-09-880-107-3756
; Sequence 3756, Application US/09880107
; Patent No. US20020142981A1
; GENERAL INFORMATION:
; APPLICANT: Horne, Darci T.
; APPLICANT: Vockley, Joseph G.
; APPLICANT: Scherf, Uwe
; APPLICANT: Gene Logic, Inc.
; TITLE OF INVENTION: Gene Expression Profiles in Liver Cancer
; FILE REFERENCE: 44921-5028-WO
; CURRENT APPLICATION NUMBER: US/09/880,107
; CURRENT FILING DATE: 2001-06-14
; PRIOR APPLICATION NUMBER: US 60/211,379
; PRIOR FILING DATE: 2000-06-14
; PRIOR APPLICATION NUMBER: US 60/237,054
; PRIOR FILING DATE: 2000-10-02
; NUMBER OF SEQ ID NOS: 3950
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 3756
; LENGTH: 2799
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: Genbank Accession No. US20020142981A1 X63359
US-09-880-107-3756

Query Match

84.8%; Score 1452.4; DB 9; Length 2799;

Best Local Similarity 92.2%; Pred. No. 0; Matches 1553; Conservative 0; Mismatches 126; Indels 5; Gaps 2;									
QY	8	TCACAGGATGACTCTGAAATGGACTTCAGTCTTCTGCTGATACATCTCCAGTTGTTA	67						
Db	2	TCACAAGGATGGCTCTGAAATGGACTACAGTCTGCTGATACAACT----CAGTTTTTA	57						
QY	68	CTTTAGCTCTGGAGTTGGAAGAGTGTGTGTGGGCCGAGAAATACAGCCATTTGAT	127						
Db	58	CTTTAGCTCTGGAGTTGGAAGAGTGTGTGTGGGCCGAGAAATACAGCCATTTGAT	117						
QY	128	GAATATGAAGAACTCTCAAGAGCTTGTTCAGAGAGTGTATGAGTGTACTGGC	187						
Db	118	GAATATGAAGAACTCTCAAGAGCTTGTTCAGAGAGTGTATGAGTGTACTGGC	177						
QY	188	ATCTTCAGCTTCATCTTTTGTATCCCAATGATGCATCCACTCTTAAATTTGAAGTTTA	247						
Db	178	ATCTTCAGCTTCATCTTTTGTATCCCAAGACTCATCCACTCTTAAATTTGAAGTTTA	237						
QY	248	TCCTACATCTTTAACTAAATGAAATTTGAGAAATATCATATGCAACAGGTTTAAGAGATG	307						
Db	238	TCCTACATCTTTAACTAAATGAAATTTGAGAAATATCATATGCAATTTGGTTAAGAGATT	297						
QY	308	GTACAGACTTCGAAAGATAGCTTTTGGTTATATTTTTCACAAAGCAAGAAATCCTGTG	367						
Db	298	GTACAGAAATTCAAAAGATACATTTTGGTTACCTTTTTCACAAAGCAAGAAATCCTGTG	357						
QY	368	GGAAATATATGACATATTTAGAAACTTCTGTAAAGATGTAGTTTCAAATAAGAAATTTAT	427						
Db	358	GGCAATTAATGACATATTTAGAACTTCTGTAAAGATGTAGTTTCAAATAAGAAATTTAT	417						
QY	428	GAATAAATPAAGAGTCAAGATTTGACATCGTTTTTGCAGATGCTGTTTTTCCCTGTGG	487						
Db	418	GAATAAATPAAGAGTCAAGATTTGACATCGTTTTTGCAGATGCTTATTTACCTGTGG	477						
QY	488	TCAGTCTGCTGGTGGCTACTTAAATAGGTTTGTGTACAGTCTCCGCTTTACTCCTGG	547						
Db	478	TCAGTCTGCTGGTGGCTACTTAAATAGGTTTGTGTACAGTCTCCGCTTTACTCCTGG	537						
QY	548	CTACACAATTTGAAGGACAGTGGAGGACTGATTTTCCCTCTCTCATACATCTATTGT	607						
Db	538	CTACTCAATTTGAAGGACAGTGGAGGATTTATTTTCCCTCTCTCATACATCTATTGT	597						
QY	608	TATGTCAAAATTAAGTGATCAAAATGACITTTTCAGAGAGGGTAAATAATATGATCTATGT	667						
Db	598	TATGTCAAAATTAAGTGATCAAAATGACITTTTCAGAGAGGGTAAATAATATGCTCTATGT	657						
QY	668	GCCTTTATTTGACTTTTGGTTCCAAATGTCTGATATGAAGAGTGGGATCAGTTTACAG	727						
Db	658	GCCTTTATTTGACTTTTGGTTCCAAATATTTAAATATGAAGAGTGGGATCAGTTTACAG	717						
QY	728	TGAAGTTTGAAGAGACCCACTACCTTATTTGAGACAATGGGAAAGCTGACATATGCT	787						
Db	718	TGAAGTTTGAAGAGACCCACTACCTATTTGAGACAATGAAGAAAGCTGACATATGCT	777						
QY	788	TATGCGAACTCCTGGAGTTTCAATTTTCTCATCTTCTTACCAACGTTGATTTGT	847						
Db	778	TATGCGAACTCCTGGATTTTAAATTTTCTCATCTTCTTACCAATGTTGATTTGT	837						
QY	848	TGAGAGATTCGACTGGCAACTGCGCAACCCCTACCTAAGGAATGAGAGGTTTGTAC	907						
Db	838	TGAGAGACTCCACT--GCAACCTGCGCAACCCCTACCTAAGGAATGAGAGGTTTGTAC	896						
QY	908	AGAGCTCTGGAGAAATGGTGTGGTGTCTTCTGCGGTGAGTGTATGATACATGA	967						
Db	897	AGAGCTCTGGAGAAATGGTGTGGTGTCTTCTGCGGTGAGTGTATGATACATGA	956						
QY	968	CAGCAGAAAGGGCCCAATGTAATGCAACAGCCCTTCCCAAGATCCCAAAAGGTTCTGT	1027						
Db	957	CAGAGAAAGGGCCCAAGCTAATTTGCAACAGCCCTTCCCAAGATCCCAAAAGGTTCTTT	1016						
QY	1028	GGAGATTTGATGGGAATTAACAGATGCTTAGGTCTCAATCTCGGCTGTATAGTGA	1087						

Db	1017	GGAGATTTGATGGGAATTAACAGATGCTTTAGGTCTCAATCTCGACTGACAAAGTGA	1076
QY	1088	TACCCCAAGATGACCTTCTAGGTCTATCCAAAACCCAGAGCTTTTATACTCATGTGGAG	1147
Db	1077	TACCCCAAGATGACCTTCTAGGTCTATCCAAAACCCAGAGCTTTTATACTCATGTGGAG	1136
QY	1148	CAATGGCATCTATGAGGCAATCTACCATGGATCCCTATGTTGGGCAATCCATTTGTTT	1207
Db	1137	CAATGGCATCTATGAGGCAATCTACCATGGATCCCTATGTTGGGCAATCCATTTGTTT	1196
QY	1208	GGGATCAACCTGATAACATCTCTCACAATGAAGGCCAAGGGAGCAGCTCTAGATGGACT	1267
Db	1197	TTGATCAACCTGATAATATCTCTCACAATGAAGGCCAAGGGAGCAGCTCTAGATGGACT	1256
QY	1268	TCAACACAATCTCGAGTACAGACCTCTGGAATGCACTCAAGACAGTAAATTAATGATCCTT	1327
Db	1257	TCAACACAATCTCGAGTACAGACCTCTGGAATGCACTCAAGACAGTAAATTAATGATCCTT	1316
QY	1328	TATATAAGAGAATATTAATGAATTTATCAAGAAATTCACATGATCAACAGTAAAGCCCC	1387
Db	1317	CATATAAGAGAATATTAATGAATTTATCAAGAAATTCACATGATCAACAGTAAAGCCCC	1376
QY	1388	TGGATCGAGCACTCTCTGGATTTGAATTTGTCTGCCCCCAAAAGGAGCCAAACACTTC	1447
Db	1377	TGGATCGAGCACTCTCTGGATTTGAATTTGTCTGCCCCCAAAAGGAGCCAAACACTTC	1436
QY	1448	GAGTTGACAGCCATGACCTCACTGGTTTCCAGTACCACTCTTTGGATGTGTTGGTTTC	1507
Db	1437	GAGTTGACAGCCATGACCTCACTGGTTTCCAGTACCACTCTTTGGATGTGTTGGTTTC	1496
QY	1508	TGCTGGCTGTGTGGCAACTCTGTATTTATCATCAAAAGTTTGTCTGTTTGTCTTCT	1567
Db	1497	TGCTGGCTGTGTGGCAACTCTGTATTTATCATCAAAAGTTTGTCTGTTTGTCTTCT	1556
QY	1568	GGAGTTTGTCTAGAAAGGGAAGGAGGAAAGAGATTAGTTATGCTGCAATTTGAAG	1627
Db	1557	GGAGTTTGTCTAGAAAGGGAAGGAGGAAAGAGATTAGTTATGCTGCAATTTGAAG	1616
QY	1628	CTGCAAAACCATAGATAGGACAACTTCAGTTTATTCAGCAAGAAAGAAAGATTGTT	1687
Db	1617	CTGCGGAATTCCTTTTATTAAGATTTCAGTTTAACTGAATCAAGTTAACCCAGTCTCAA	1676
QY	1688	ATGC 1691	
Db	1677	ATGC 1680	

RESULT 5

US-10-057-834A-1
; Sequence 1, Application US/10057834A
; Publication No. US2003009960A1
; GENERAL INFORMATION:
; APPLICANT: RATAIN, MARK J.
; APPLICANT: INNOCENTI, FEDERICO
; APPLICANT: DAS, SOMA
; APPLICANT: IYER, LALITHA
; APPLICANT: SAWYER, MICHAEL
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR OPTIMIZING UGT2B7 SUBSTRATE DOSINGS
; TITLE OF INVENTION: PREDICTING UGT2B7 SUBSTRATE TOXICITY
; FILE REFERENCE: ARCD:358US
; CURRENT APPLICATION NUMBER: US/10/057.834A
; PRIOR FILING DATE: 2002-08-22
; PRIOR FILING DATE: UNKNOWN
; PRIOR FILING DATE: 2002-01-25
; NUMBER OF SEQ ID NOS: 78
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1
; LENGTH: 1991
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (151)..(1740)


```
; PRIOR APPLICATION NUMBER: US/60/237,316
; PRIOR FILING DATE: 2000-10-02
; NUMBER OF SEQ ID NOS: 1001
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 368
; LENGTH: 1855
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-968-007A-368

Query Match      84.6%; Score 1450; DB 11; Length 1855;
Best Local Similarity 91.7%; Pred. No. 0;
Matches 1568; Conservative 0; Mismatches 135; Indels 7; Gaps 3;

QY  4 GCATTGCAACGAGATGACTCTGAAATGCACTTCAAGTTCAGTTCCTGCTGATACATCTCCAGTT 63
Db  2 GCATTGCAACGAGATGCTGTGAAATGCACTTCAAGTTCAGTTCCTGCTGATACATCTCCAGTT 60

QY  64 GTTACTTTAGCTCTGGGAGTTCTGGAAGAGTGGTGGTGGCCGCGCAGCAATACAGCCATT 123
Db  61 TTTGCTTTAGCTCTGGGAAATTGTGGAAGGTTGCTGGTGGCGCAGCAATACAGCCATT 120

QY  124 GGATGAATATGAAGCAATCTCGAAAGAGCTTGTTCAGAGAGGTTCATGAGGTGACTGTAC 183
Db  121 GGATGAATATGAAGCAATCTCGATGAGCTTATTCAGAGAGGTTCATGAGGTGACTGTAC 180

QY  184 TGGCATCTCAGCTTCCATCTCTTTTGTGATCCCAATGATGCATGCCACTCTTAAATTTGAAG 243
Db  181 TGGCATCTCAGCTTCCATCTCTTTTGTGATCCCAATGATGCATGCCACTCTTAAATTTGAAA 240

QY  244 TTTATCTTACATCTTTTAACTAAATCTGAATTTGAGAAATATCATCATGCAACAGGTGAAGA 303
Db  241 TTTATCCCAATCTTTTAACTAAATCTGAGTTGGAGAAATTTTCATGTCACACAGATTAAGA 300

QY  304 GATGCTCAGACATTCGAAAAGATAGCTTTTGGTTATATTTTTCACAGAAACAAGAAATCC 363
Db  301 GATGCTCAGACCTTCCAAAGATACATTTTGGTTATATTTTTCACAGTACAGGAATCA 360

QY  364 TGTGGGAATATATGACATATTTAGAACTTCTGTGAAAGATGTAGTTTCAAAATGAAGAAAG 423
Db  361 TGTCAATATTTGGTGACATAACTAGAAAGTTCTGTGAAAGATGTAGTTTCAAAATGAAGAA 420

QY  424 TTATGAAAAAATACTACAGAGTCAGATTTGACATCGTTTGTGTCAGAGTCTGTTTCCCT 483
Db  421 TTATGAAAAAATACTACAGAGTCAGATTTGACATCGTTTGTGTCAGAGTCTGTTTCCCT 480

QY  484 GTGTGAGCTGTGCTGGCTGCTACTTAAACATACAGTTTGTGTACAGTCTCCGCTTTTACTC 543
Db  481 GTAGTGAGCTGTGCTGGCTGAGCTATTTAATACATACCTTTTGTGTACAGTCTCAGCTTCTC 540

QY  544 CTGGCTACAAATTTGAAAGGCACTGAGGAGCTGATTTTCCCTCTTCTTACATACCTA 603
Db  541 CTGGCTACACTTTTGAAGAGCATAGTGAGGAGTTATTTTCCCTCTTCTTACGTAACCTG 600

QY  604 TTGTTATCTCAAAATTAAGTATCAATGCACTTTCATGAGGAGGTTAAATATGATCT 663
Db  601 TTGTTATGTCAAAATTAAGTATCAATGCACTTTCATGAGGAGGTTAAATATGATCT 660

QY  664 ATGTGCTTTATTTGACTTTTGGTTCCAAATGTCTGATATGAAGAGTGGGATCAGTTT 723
Db  661 ATGTGCTTTACTTTGACTTTTGGTTCCAAATTAATTTGACATGAGAGTGGGATCAGTTT 720

QY  724 ACAGTGAATTTTAGGAAGCCACTACTCTTATTTGAGACAAATGGGAAAAGCTGACATAT 783
Db  721 ATAGTGAAGTTCTAGGAAGCCACTACTCTTATCTGAGACAAATGGGAAAAGCTGACATAT 780

QY  784 GCCTTATCGAAACTCTCGAGTTTTCATTTCTCTCATCTTCTTACCAACCTGTTGTT 843
Db  781 GCCTTATTCGAAACTCTCGAGTTTTCATTTCTCTCATCTTCTTACCAATGTTGTT 840

QY  844 TTGTTGAGGATTTCCACTGCGAAACCTGCGAAACCCCTTACCTTAAGGAATGGAGAGTTT 903
Db  841 TTGTTGAGGATCTCACT-GCAAACTTCCAAACCCCTTACCTTAAGGAATGGAGACTTT 899
```

```
QY  904 GTACAGAGCTCTGGAGAAAATGGTGTGGTGTCTCTGGGTCAGTGATAGTAAC 963
Db  900 GTACAGAGCTCTGGAGAAAATGGTGTGGTGTCTCTGGGTCAGTGATAGTAAC 959

QY  964 ATGACAGCAGAAAGGGCCAATTAATTTGCAACAGCCCTTGCAGAGTCCCAAAAAGGTT 1023
Db  960 ATGACAGCAGAAAGGGCCAAGTAAATTTGCATCAGCCCTTGGCCAGATCCCAAAAAGGTT 1019

QY  1024 CTGTGGAGATTTGATGGGAATAAAACAGATGCCTTAGGTCTCAATACTCGGCTGTATAAG 1083
Db  1020 CTGTGGAGATTTGATGGGAATAAAACAGATACCTTTAGGTCTCAATACTCGGCTGTATAAG 1079

QY  1084 TGGATACCCAGAGATGACCTTTAGGTTCATCCAAAACAGAGCTTTTATACTCATGGT 1143
Db  1080 TGGATACCCAGAGATGACCTTTAGGTTCATCCAAAACAGAGCTTTTATACTCATGGT 1139

QY  1144 GGAGCCAATGGCATCTATGAGGCAATCTACCATGGGATCCCTATGGTGGGATTTCCATTG 1203
Db  1140 GGAGCCAATGGCATCTACGAGGCAATCTACCATGGGATCCCTATGGTGGGATTTCCATTG 1199

QY  1204 TTTTGGGATCAACCTGATAACATTTGCTTCACATGAAGGCCAAGGAGCAGCTGTTAGATTG 1263
Db  1200 TTTTGGGATCAACCTGATAACATTTGCTTCACATGAAGGCCAAGGAGCAGCTGTTAGATTG 1259

QY  1264 GACTTCAACAATGTCGAGTACAGACTGCTGTAATGCATCTGAAGCAGTAATTAATGAT 1323
Db  1260 GACTTCAACAATGTCGAGTACAGACTGCTGTAATGCATCTGAAGCAGTAATTAATGAT 1319

QY  1324 CCTTTATATAAGAGATAATTTATGAAATTTCAAGAAATTCAAATGATCAACCAAGTAAAG 1383
Db  1320 CCTTCATATAAGAGATAATTTATGAAATTTCAAGAAATTCAAATGATCAACCAAGTAAAG 1379

QY  1384 CCCCTGGATCGAGCAGCTCTTCTGGAATTTGTCTATGCCCCCAAAAGGAGCCAAACAC 1443
Db  1380 CCCCTGGATCGAGCAGCTCTTCTGGAATTTGTCTATGCCCCCAAAAGGAGCTAAACAC 1439

QY  1444 CTTGAGTTGAGCCCATGACCTCAGCTGCTGAGTACACATCTTTGGATGATGATGGG 1503
Db  1440 CTTGAGTTGAGCCCATGACCTCAGCTGCTGAGTACACATCTTTGGATGATGATGGG 1499

QY  1504 TTTCTGCTGCTGTGTGGCAACTGTGATATTTATCATCAAAAGTTTGTCTGCTTTTGT 1563
Db  1500 TTTCTGCTGCTGTGTGTGGCAACTGTGATATTTATCGTCAAAAATGTTGTCTGTTTGT 1559

QY  1564 TTTCTGGAAGTTTGTGAAAAAGGGAAGAGGAAAAAGAGATTAGTTATGTCTGACATTT 1623
Db  1560 TTTCTGGAAGTTTGTGAAAAAGGGAAGAGGAAAAATGATTAGTTATATCTGAGATTT 1619

QY  1624 GAAGCTGAAAAACAGATAGATAGGACAACTTCAGTTTATTCAGCAAGAAAGAAAGAT 1683
Db  1620 GAAGCTGAAAAACCTGATAGGTGAGACTTTCAGTTTATTTCCAGCAAG-----AAAGAT 1674

QY  1684 TGTATGCAAGATTTCTTCTCTCTGTGAC 1713
Db  1675 TGTATGCAAGATTTCTTCTCTCTGTGAC 1704
```

RESULT 8

```
US-09-968-007A-735
; Sequence 735, Application US/09968007A
; Publication No. US20040115625A1
; GENERAL INFORMATION:
; APPLICANT: Ebner, Reinhard
; TITLE OF INVENTION: Cancer Gene Determination and Therapeutic Screening Using Signa
; TITLE OF INVENTION: Gene Sets
; FILE REFERENCE: 689290-71
; CURRENT APPLICATION NUMBER: US/09/968,007A
; PRIOR FILING DATE: 2001-10-02
; PRIOR APPLICATION NUMBER: US/60/237,172
; PRIOR FILING DATE: 2000-10-02
; PRIOR APPLICATION NUMBER: US/60/237,173
; PRIOR FILING DATE: 2000-10-02
```


; PRIOR APPLICATION NUMBER: US/60/237,278
; PRIOR FILING DATE: 2000-10-02
; PRIOR APPLICATION NUMBER: US/60/237,294
; PRIOR FILING DATE: 2000-10-02
; PRIOR APPLICATION NUMBER: US/60/237,295
; PRIOR FILING DATE: 2000-10-02
; PRIOR APPLICATION NUMBER: US/60/237,316
; PRIOR FILING DATE: 2000-10-02
; NUMBER OF SEQ ID NOS: 1001
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 735
; LENGTH: 1855
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-968-007A-735

Query Match 84.6%; Score 1450; DB 11; Length 1855;
Best Local Similarity 91.7%; Pred. No. 0; Mismatches 135; Indels 7; Gaps 3;
Matches 1568; Conservative 0;

QY	4	GCATTGCACGAGTACTCTGAAATGGACTTCAGTTCTTCTGCTGATACATCTCCAGTT	63
DB	2	GCATTGCACGAGTACTCTGTAATGGACTTCAGTTCTTCTGCTGATACATCTCCAGTT	60
QY	64	GTATCTTTAGCTCTGGAGTGTGGAAAGTCTGGTGGGCCGCGAGAAATACAGCCATT	123
DB	61	TTTGTCTTAGCTCTGGAAATCTGGAAAGTCTGGTGGGCCGCGAGAAATACAGCCATT	120
QY	124	GGATGAATATGAAGCAATCTCGAAGAGCTTGTTCAGAGAGTTCATGAGGTGACTGTAC	183
DB	121	GGATGAATATGAAGCAATCTCGGATGAGCTTATTCAGAGAGTTCATGAGGTGACTGTAC	180
QY	184	TGGCATCTTCAGCTCCATTCTTTTGTATCCCAATGATGCATCCACTCTTAAATTTGAAG	243
DB	181	TGGCATCTTCAGCTCCATTCTTTTGTATCCCAATGATGCATCCACTCTTAAATTTGAAG	240
QY	244	TTATTCCTACATCTTTAACTAAACTGAATTTGAGAAATATCATATGCAACAGGTTAAGA	303
DB	241	TTATTCCTACATCTTTAACTAAACTGAGTTGGAGAAATTCATCATGCAACAGATTAAGA	300
QY	304	GATGCTCAGACATTCGAAAGATAGCTTTTGGTTATATTTTTCAGAGCAAGAAATCC	363
DB	301	GATGCTCAGACCTTCGAAAGATACATTTTGGTTATATTTTTCAGAGTACAGGAAATCA	360
QY	364	TGTGGGAATATATGACATATTTAGAACTCTCTGTAAGATGATAGTTTCAAAATGAAGA	423
DB	361	TGTCAATATTTGGTGACATACATAGAAAGTCTCTGTAAGATGATAGTTTCAAAATGAAT	420
QY	424	TTATGAAAAACTACAAGAGTCAAGATTTGACATCGTTTTTGGCAGATGCTGTTTTCCCT	483
DB	421	TTATGAAAAAGTACAAGAGTCAAGATTTGAGCTCATTTTTTGCAGATGCTATTTTTCCCT	480
QY	484	GTGCTGAGCTCTGGCTGGCTACTTTACATAGGTTTGTGTACAGTCTCCGCTTTACTC	543
DB	481	GTAGTGAGCTCTGGCTGGCTACTTTTAAACATACCCTTTTGTGTACAGTCTCAGCTTCTC	540
QY	544	CTGGCTACACAAATGAAAGGCACAGTGGAGGACTGATTTTCCTCTCTCTACATACCTA	603
DB	541	CTGGCTACACTTTTGAAGACATAGTGGAGGATTTATTTTCCTCTCTCTACAGTACCTG	600
QY	604	TTGTTATGTCAAAATTAAGTATCAAAATGACTTTTCATGAGAGGTTGAAATATGATCT	663
DB	601	TTGTTATGTCAAAATTAAGTATCAAAATGACTTTTCATGAGAGGTTGAAATATGATCT	660
QY	664	ATGCTGCTTTATTTGACTTTTGGTTCCAAATGCTGATGATGAAGTGGGATCAGTTTT	723
DB	661	ATGCTGCTTTATTTGACTTTTGGTTCCAAATGCTGATGATGAAGTGGGATCAGTTTT	720
QY	724	ACAGTGAAGTTTTAGGAAGCCACTTACCTTATTTTGAACATATGGAAAGCTGCATAT	783
DB	721	ATAGTGAAGTTCTAGGAAGCCACTTACCTTATTTTGAACATATGGGAAGCTGCATAT	780
QY	784	GGCTTATGCAAACTCTGGAGTTTTTCAATTTTCTCTCATCCATTCTTACCAAACTGTGAT	843

RESULT 9

US-10-783-528-57
; Sequence 57, Application US/10783528
; Publication No. US20040219579A1
; GENERAL INFORMATION:
; APPLICANT: Aziz, Natasha
; APPLICANT: Gish, Kurt
; APPLICANT: Wilson, Keith
; APPLICANT: Zlotnik, Albert

DB	781	GGCTTATTCGAAACTCTCTGGAATTTTCAGTTTCTCATCCACTCTTACCAATGTTGATT	840
QY	844	TTGTTGGAGGATTCACACTGGCAAACTGCCAAACCCCTACCTTAAGGAATGAGAGTTT	903
DB	841	TTGTTGGAGGACTCCACT-GCAAACTGCCAAACCCCTGCGCTTAAGGAATGGAAGACTTT	899
QY	904	GTACAGAGCTCTGGAGAAATGTTGTTGTTGTTGTTTCTCTGGGCTCAGTGATAAGTAAC	963
DB	900	GTACAGAGCTCTGGAGAAATGTTGTTGTTGTTGTTTCTCTGGGCTCAATGTCAGTAAC	959
QY	964	ATGACAGAGAAAGGGCCCAATGTAATTGCAACAGCCCTTGGCCAAAGATCCCAAAAGTT	1023
DB	960	ATGACAGAGAAAGGGCCCAAGTAATTGCAATCAGCCCTGGCCAGATCCCAAAAGTT	1019
QY	1024	CTGTGGAGATTTGATGGGAATAAAACCATGCTTTAGTCTCAATACCTCGGCTGTATAG	1083
DB	1020	CTGTGGAGATTTGATGGGAATAAAACCATGCTTTAGTCTCAATACCTCGGCTGTATAG	1079
QY	1084	TGGATACCCCAAGATGACCTTTCTAGGTCAATCCAAAACCCAGAGCTTTTATTAATCATGT	1143
DB	1080	TGGATACCCCAAGATGACCTTTCTAGGTCAATCCAAAACCCAGAGCTTTTATTAATCATGT	1139
QY	1144	GGAGCAATGGCATCTATGAGGCAATCTACCATGGGATCCCTATGGTGGGCAATCCATGT	1203
DB	1140	GGAGCAATGGCATCTACGAGGCAATCTACCATGGGATCCCTATGGTGGGCAATCCATGT	1199
QY	1204	TTTTGGGATCAACCTGATAACATTTGCTCACATGAGGCCAAGGGAGAGCTGTTAGATTG	1263
DB	1200	TTTGGGATCAACCTGATAACATTTGCTCACATGAGGCCAAGGGAGAGCTGTTAGATTG	1259
QY	1264	GACTTCAACAATGTCGAGTACAGACCTGCTGATGCACTGAAGACAGTAAATTAATGAT	1323
DB	1260	GACTTCAACAATGTCGAGTACAGACCTGCTGATGCACTGAAGACAGTAAATTAATGAT	1319
QY	1324	CTTTTATATAAGAGATATTTATGAATATTAAGAAATTCACATGATCAACAGTAAAG	1383
DB	1320	CTTTTATATAAGAGATATTTATGAATATTAAGAAATTCACATGATCAACAGTAAAG	1379
QY	1384	CCCTGGATCCAGCAGTCTCTGGATGAATTTGTCATGCCCAACAAAGGAGCCAAACAC	1443
DB	1380	CCCTGGATCCAGCAGTCTCTGGATGAATTTGTCATGCCCAACAAAGGAGCCAAACAC	1439
QY	1444	CTTCAGTTGAGCCCACTGACCTCACCTGGTTCCAGTACCACTCTTTGGATGTTGTTGG	1503
DB	1440	CTTCAGTTGAGCCCACTGACCTCACCTGGTTCCAGTACCACTCTTTGGATGTTGTTGG	1499
QY	1504	TTCTGCTGGCTGTGTGGCAACTGTGATATTTATCATCAAAAGTTTGTCTGTTTGT	1563
DB	1500	TTCTGCTGGCTGTGTGGCAACTGTGATATTTATCATCAAAAGTTTGTCTGTTTGT	1559
QY	1564	TTCTGGAAGTTTGTAGAAAGGGAAGGGAAGGGAAGGATAGTTATGTTCTGACATTT	1623
DB	1560	TTCTGGAAGTTTGTAGAAAGGGAAGGGAAGGGAAGGATAGTTATGTTCTGACATTT	1619
QY	1624	GAACTGGAAACACAGATAGATAGCAAACTTCAGTTTATTTCCAGCAAGAAAGAAAGAT	1683
DB	1620	GAACTGGAAACACAGATAGATAGCAAACTTCAGTTTATTTCCAGCAAGAAAGAAAGAT	1674
QY	1684	TGTTATGCAAGATTTCTTTCTCTCTGTGAC	1713
DB	1675	TGTGATGCAAGATTTCTTTCTCTCTGTGAC	1704

```
; TITLE OF INVENTION: METHODS OF DIAGNOSIS OF CANCER, COMPOSITIONS AND
; FILE REFERENCE: 05882.0191.NPUS01
; CURRENT APPLICATION NUMBER: US/10/783,528
; NUMBER OF SEQ ID NOS: 116
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 57
; LENGTH: 1855
; TYPE: DNA
; ORGANISM: Homo Sapiens
US-10-783-528-57

Query Match      84.6%; Score 1450; DB 20; Length 1855;
Best Local Similarity 91.7%; Pred. No. 0;
Matches 1568; Conservative 0; Mismatches 135; Indels 7; Gaps 3;

QY      4 GCATTGCAACGAGGAGCTCTGAAATGGACTTCAGTTCTCTCTGCTGATACATCTCCAGTT 63
DB      1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
QY      64 GTTACTTAGCTCTGGAGTTGTGAAAGTGCTGGTGGGCCGCAAGATACAGCCATT 123
DB      1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
QY      61 TTTGCTTAGCTCTGGAAATTTGTGAAAGTGCTGGTGGGCCAGCAGAAATACAGCCATT 120
DB      1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
QY      124 GGATGAATATGAAGCAATCTCTGAAGAGCTTTGTCAGAGAGGTTCATGAGGTGACTGTAC 183
DB      1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
QY      121 GGATGAATATGAAGCAATCTCTGGATGAGCTTAATTCAGAGAGGTTCATGAGGTGACTGTAC 180
DB      1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
QY      184 TGGCATCTTCAGCTTCCATTCTTTTGTGATCCCAATGATGCACTCTTAAATTTGAAG 243
DB      1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
QY      181 TGGCATCTTCAGCTTCCATTCTTTTGTGATCCCAATGATGCACTCTTAAATTTGAAG 240
DB      1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
QY      244 TTTATCTTACATCTTTAACTAAAATCTGAATTTGAGAAATATCATATGCAAGAGTTAAGA 303
DB      1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
QY      241 TTTATCCCAATCTTTAACTAAAATCTGAATTTGAGAAATTTCAATGCAAGATTAAGA 300
DB      1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
QY      304 GATGCTCAGACATCTGAAAGATAGCTTTTGGTTATATTTTCAAGAAAGCAAGAAATCC 363
DB      1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
QY      301 GATGCTCAGACCTTCCAAAGATACATTTTGGTTATATTTTCAAGTACAGGAATCA 360
DB      1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
QY      364 TGTGGAAATTTATGACATATTTGAAACTTCTGTAAGAGATGATGTTTCAATTAAGAAAG 423
DB      1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
QY      361 TGTCAATATTTGTTGACATACTAGAAAGTCTGTAAGATGATAGTTTCAATTAAGAAAT 420
DB      1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
QY      424 TTATGAAAAAATACTAAGAGTCAAGATTTGATGATCGTTTTTGGAGATGCTGTTTTCCCT 483
DB      1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
QY      421 TTATGAAAAAAGTACAAGAGTCAAGATTTGACGTCATTTTTCAGATGCTATTTTCCCT 480
DB      1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
QY      484 GTGGTGAGCTGTGGCTGCGCTACTTAACATAGCGTTTGTGTACAGTCTCCGCTTTACTC 543
DB      1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
QY      481 GTAGTGAGCTGTGGCTGAGCTTAATTAACATACCCCTTTGTGTACAGTCTCAGCTTCTCTC 540
DB      1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
QY      544 CTGGCTACACAATTTGAAAGGCACAGTGGAGGACTGATTTTCCCTCTTCTACATACCTTA 603
DB      1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
QY      541 CTGGCTACATTTTGAAAGCATAGTGGAGGATTAATTTTCCCTCTTCTCCTACGTACCTG 600
DB      1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
QY      604 TTGTTATGTCAAAATTAAGTATCAAAATGACTTTCATGAGAGGGTAAAAAATATGATCT 663
DB      1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
QY      601 TTGTTATGTCAAAATTAAGTATCAAAATGACTTTCATGAGAGGGTAAAAAATATGATCT 660
DB      1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
QY      664 ATGTCCTTTATTTGACTTTTGGTTCCAAATGCTCTGATATGAAGAGTGGGATCAGTTT 723
DB      1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
QY      661 ATGTCCTTTATTTGACTTTTGGTTCCAAATTAATTTGATGAAGAGTGGGATCAGTTT 720
DB      1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
QY      724 ACAGTGAAGTTTATGGAAGACCCACTACCTTATTTTGAACAATGGGAAAGCTGCATAT 783
DB      1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
QY      721 ATAGTGAAGTTCTAGGAAGACCCACTACGTTATCTGAGACAATGGGAAAGCTGACGTAT 780
DB      1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
QY      784 GCTTTATGCGAAACTCTCGAGTTTTCATTTTCCTCATCCATTCTTACAAAGCTTGAT 843
DB      1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
QY      781 GCTTTATTCGAAACTCTCGAATTTTTCAGTTTTCCTCATCCACTCTTACCAAAATGTTGAT 840
DB      1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
QY      844 TTGTTGAGGATTCCACTGGCAAAACCTCGCCAAACCCCTACCTTAAGGAATGGAGGATTT 903
DB      1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
```

RESULT 10

```
US-10-843-641A-6838
; Sequence 6838, Application US/10843641A
; Publication No. US20050064454A1
; GENERAL INFORMATION:
; APPLICANT: Avalon Pharmaceuticals, Inc.
; TITLE OF INVENTION: Cancer Gene Determination and Therapeutic Screening Using
; TITLE OF INVENTION: Signature Gene Sets
; FILE REFERENCE: 689290-189
; CURRENT APPLICATION NUMBER: US/10/843,641A
; CURRENT FILING DATE: 2004-05-12
; PRIOR APPLICATION NUMBER: US/09/873,367
; PRIOR FILING DATE: 2001-06-05
```

```
Db      841 TTTTGGAGGACTCCACT-GCAAAACCTGCCAAACCCCTGCTAAGGAATAGGAAGACTTT 899
QY      904 GTACAGAGCTCTGGAGAAAATGGTGTGTGGTGTCTCTGGGGTCAAGTATGAAGTAAC 963
DB      900 GTACAGAGCTCTGGAGAAAATGGTGTGTGGTGTCTCTGGGGTCAATGGTCAAGTAAC 959
QY      964 ATGACAGAGAAAAGGGCCAATGTAATTTGCAACAGCCCTTGGCAAGATCCCAAAAAGTT 1023
DB      960 ATGACAGAGAAAAGGGCCAACGTAATTTGCAATCAGCCCTGGGCCAGATCCCAAAAAGTT 1019
QY      1024 CTGTGGAGATTTGATGGGAATAAACACAGATGCTCTAGTCTCAATACTCGGCTGTATAAG 1083
DB      1020 CTGTGGAGATTTGATGGGAATAAACACAGATGCTCTAGTCTCAATACTCGGCTGTATAAG 1079
QY      1084 TGGATACCCCAAGATGACCTTTCTAGGTCAATCAAAAAACAGAGCTTTTATAACTCATGGT 1143
DB      1080 TGGATACCCCAAGATGACCTTTCTAGGTCAATCAAAAAACAGAGCTTTTATAACTCATGGT 1139
QY      1144 GGAGCCAATGGCATCTATGAGGCAATCTACATGGGATCCCTATGGTGGGCAATTCATTTG 1203
DB      1140 GGAGCCAATGGCATCTACGAGGCAATCTACCATGGGATCCCTATGGTGGGCAATTCATTTG 1199
QY      1204 TTTTGGGATCAACCTGATTAACATTGCTCACATGAAGGCCAAGGAGCAGCTGTTAGATTG 1263
DB      1200 TTTGCCGATCAACCTGATTAACATTGCTCACATGAAGGCCAGGAGCAGCTGTTAGATTG 1259
QY      1264 GACTTCAACAATGTCGAGTACAGACCTGCTGAATGCATCTGAAGACAGACATTAATTAATGAT 1323
DB      1260 GACTTCAACAATGTCGAGTACAGACCTGCTGAATGCATTTGAAGAGAGTAATTAATGAT 1319
QY      1324 CCTTTATATAAGAGAATATTAAGAAATTAATCAAGAAATTCAAATGATCAACCAAGTAAAG 1383
DB      1320 CCTTCATATAAGAGAATGTTATGAAATTAATCAAGAAATTCAAATGATCAACCAAGTAAAG 1379
QY      1384 CCCCTGATGAGCAGCTTCTGGAATGAAATTTGTCATGCCCAACCAAGGAGCCAAACAC 1443
DB      1380 CCCCTGATGAGCAGCTTCTGGAATGAAATTTGTCATGCCCAACCAAGGAGCTAAACAC 1439
QY      1444 CTTCGAGTTGAGCCCATGACCTCACCTGGTTCAGTACCACTCTTTGGATGTGATTTGG 1503
DB      1440 CTTCGGGTTGAGCCCAACGACCTCACCTGGTTCAGTACCACTCTTTGGATGTGATTTGG 1499
QY      1504 TTTCTGCTGGCTGTGTGGCAACGTGTCATATTTATCATCAAAAGTTTGTCTGTTTGT 1563
DB      1500 TTTCTGCTGGTGTGTGGCAACTGTGATATTTATCGTCAAAAATGTTGTCTGTTTGT 1559
QY      1564 TTCTGGAAGTTTGTCTAGAAAAGGGAAGGAAAAAGAGATTAGTTATGTCACATTT 1623
DB      1560 TTCTGGAAGTTTGTCTAGAAAAGGGAAGGAAAAAGATTAGTTATGTCAGATTT 1619
QY      1624 GAAGCTGGAATAACAGATAGATAGGACAACCTTCAGTTTATTTCCAGCAAGAAAAAGAT 1683
DB      1620 GAAGCTGGAATAACCTGATAGTGTAGACTTCTCAGTTTATTTCCAGCAAG-----AAAGAT 1674
QY      1684 TGTATGCAAGATTTCTTTCTCTCTGTGAC 1713
DB      1675 TGTATGCAAGATTTCTTTCTCTCTGTGAC 1704
```

```

, PRIOR APPLICATION NUMBER: US/09/954,531
, PRIOR FILING DATE: 2001-09-18
, PRIOR APPLICATION NUMBER: US/09/954,456
, PRIOR FILING DATE: 2001-09-25
, PRIOR APPLICATION NUMBER: US/09/962,436
, PRIOR FILING DATE: 2001-09-25
, PRIOR APPLICATION NUMBER: US/09/962,832
, PRIOR FILING DATE: 2001-09-25
, PRIOR APPLICATION NUMBER: US/09/964,824
, PRIOR FILING DATE: 2001-09-27
, PRIOR APPLICATION NUMBER: US/09/967,768
, PRIOR FILING DATE: 2001-09-28
, PRIOR APPLICATION NUMBER: US/09/968,007
, PRIOR FILING DATE: 2001-10-02
, PRIOR APPLICATION NUMBER: US/09/969,347
, PRIOR FILING DATE: 2001-10-02
, PRIOR APPLICATION NUMBER: US/09/969,708
, PRIOR FILING DATE: 2001-10-03
, Remaining Prior Application data removever
, NUMBER OF SEQ ID NOS: 8447
, SOFTWARE: PatentIn version 3.0
, SEQ ID NO 6838
, LENGTH: 1855
, TYPE: DNA
, ORGANISM: Homo sapiens
, FEATURE:
, NAME/KEY: misc feature
, LOCATION: (1)..(1855)
, OTHER INFORMATION: n=a,t,g or c
US-10-843-641A-6838

```

Query Match	84.6%	Score 1450	DB 21	Length 1855
Best Local Similarity	91.7%	Pred. No. 0		
Matches 1568	Conservative 0	Mismatches 135	Indels 7	Gaps 3
Qy	4	GCATTGCACCAGGATGACTCTGAAATGGACATTTCAGTTCTTCTGCTGATACATCTCCAGTT	63	
Db	2	GCATTGCACCAGGATGCTGTGAAATGGACATTCAGTAATTTTGTCTAATACAACATG-AGCT	60	
Qy	64	GTTACTTTAGCTCTGGGAGTTGTGGAAAAGTGCTGGTGTGGCCGCGACAAATACAGCCATT	123	
Db	61	TTTGCTTTAGCTCTGGGAAATTTGGAAAGGTGCTGGTGTGGCGACGAGAAATACAGCCATT	120	
Qy	124	GGATGAATATCAAGACAAATCCTGAAAGAGCTTGTTCAGAGAGGTCATCAGGTGACTGTGAC	183	
Db	121	GGATGAATATAAGACAAATCTGGATGAGCTTAATTCAGAGAGTCATCAGGTGACTGTGAC	180	
Qy	184	TGGCATCTTCAGCTTCGATCTTTTTTGATCCCAATGATGCAATCCACTCTTAAATTTTGAAG	243	
Db	181	TGGCATCTTCAGCTTCGATCTTTTTTGATCCCAACACTCATCCGCTCTTAAAAATTTGAAA	240	
Qy	244	TTTATCTTACATCTTTTAACTAAAACTGTAATTTTGAGATATCATCATGCAACAGGTTAAGA	303	
Db	241	TTTATCCACATCTTTAACTTAAACTGAGTTGGAGAAATTCATCATGCAACAGATTAGA	300	
Qy	304	GATGGTCAGACATTCGAAAAGATAGCTTTTGGTTATATTTTTCACAGAAACAAGAAATCC	363	
Db	301	GATGGTCAGACCTTCCAAAAGATACATTTTGGTTATATTTTTCACAGTACAGGAAATCA	360	
Qy	364	TGTGGGAATTATATGACATATTTAGAAACTTCTGTAAAGATGTAGTTTCAATAATAGAAG	423	
Db	361	TGTCATATTTGGTGACATAACTAGAAAGTTCTGTAAAGATGTAGTTTCAATAATAGAAT	420	
Qy	424	TTATGAAAAAACTACAAGAGTCAAGATTTGACATCGTTTTTTCAGATGCTGTTTTTCCTT	483	
Db	421	TTATGAAAAAAGTACAAGAGTCAAGATTTGACGTCATTTTTTCAGATGCTATTTTTTCCT	480	
Qy	484	GTGGTGAGCTGCTGGCTCGCTACTTACATACGGTTTGTGTACAGTCTCCGCTTTATCTC	543	
Db	481	GTAGTGAGCTGCTGGCTGAGCTATTTAAACATACCCCTTTGTGTACAGTCTCAGCTTCTCTC	540	
Qy	544	CTGGCTACACAATTTGAAAGGCACAGTGGAGGACTGAATTTTCCTCTCTTACATACCTTA	603	

Db	541	CTGGCTACACTTTTGAAGAGCATAGTGGAGGATTTATTTTCCCTCCTTCTCCTACGTACCTG	600
Qy	604	TTGTTATGTCAAAATTAAGTGATCAAAATGACCTTTTCATGAGAGGGTAAAAAATATGATCT	663
Db	601	TTGTTATGTCAAGAAATTAACCTGATCAAAATGACCTTTTCATGAGAGGGTAAAAAATATGATCT	660
Qy	664	ATGTGCTTTATTTTGACCTTTTGGTTCCAAATGCTGATATGAAGATGGGATCAGTTTTT	723
Db	661	ATGTGCTTTACTTTTGATCTTTTGGTTCGAAATATTTGACATGAAGAAAGTCGGATCAGTTTTT	720
Qy	724	ACAGTGAAGTTTATGAAGAGACCCACTACCTTATTTTCAGACAAATGGGAAAAGCTGCACATAT	783
Db	721	ATAGTGAAGTTCTAGAGAGACCCACTACGTTATCTGAGACAAATGGGAAAAGCTGACGTAAT	780
Qy	784	GGCTTATGCGAAACTCCTCGAGTTTTCAATTTTCCTCATCTTCAATCTTCAAAACGTTGATT	843
Db	781	GGCTTATTCGAAACTCCTCGAAATTTTCAGTTTCTCATCTTCACTTTACCAAATGTTGATT	840
Qy	844	TTGTTGGAGATTCCACTGGCAAAACCTGCGAAACCCCTACTTAAGGAAATGAGGAGTTTT	903
Db	841	TTGTTGGAGACTCCACT - GCAAACTGCGCAAACCCCTGCTTAAGGAAATGGAAGACTTT	899
Qy	904	GTACAGAGCTCTCGAGAAATAGTGTGTGTGTGTGTGTCTCTGGGGTCAGTGATAGTAAC	963
Db	900	GTACAGAGCTCTCGAGAAATAGTGTGTGTGTGTGTCTCTGGGGTCATAGTTCAGTAAC	959
Qy	964	ATGACAGCAAGAAAGGGCCAAATGTAAITGCAACAGAGCCCTTGCCAAGATCCCAAAAAGTT	1023
Db	960	ATGACAGAAAGGGCCAAACGTAAITGTCATCAGCCCTGCGCCAGATCCCAAAAAGTT	1019
Qy	1024	CTGTGGAGATTGATGGGAATAAACACAGATGCTTAGGTCTCAATACTCGGCTGTATAAG	1083
Db	1020	CTGTGGAGATTGATGGGAATAAACACAGATACCTTAGGTCTCAATACTCGGCTGTATAAG	1079
Qy	1084	TGATACCCAGAAATACACTTCTAGTGCATCCAAAACAGAGCTTTTATACTCATGCT	1143
Db	1080	TGATACCCAGAAATACACTTCTAGTGCATCCAAAACAGAGCTTTTATACTCATGCT	1139
Qy	1144	GGAGCCAAATGGCATCTTAGAGGCAATCTACCATGGGATCCCTATGTTGGGCAATCCATTTG	1203
Db	1140	GGAGCCAAATGGCATCTACGAGGCAATCTACCATGGGATCCCTATGTTGGGCAATCCATTTG	1199
Qy	1204	TTTTGGGATCAACCTGATTAACATTTGCTCAATGAAGGCCAAGGAGCAGCTGTTAGATTG	1263
Db	1200	TTTTGGGATCAACCTGATTAACATTTGCTCAATGAAGGCCAAGGAGCAGCTGTTAGATTG	1259
Qy	1264	GACTTCAACACATGTCGATACAGACCTGCTGAAATGCACTGAGACAGCTAATTAATGAT	1323
Db	1260	GACTTCAACACATGTCGATACAGACTTGTGCAATGCAATGAGAGAGTAATTAATGAT	1319
Qy	1324	CCTTTATATAAGAGAAATATTATGAAATTTATCAAGAAATTTCAACATGATCAACACAGTAAAG	1383
Db	1320	CCTTTATATAAGAGAAATATTATGAAATTTATCAAGAAATTTCAACATGATCAACACAGTAAAG	1379
Qy	1384	CCCTGSGATCGAGCAGCTTTCTGGATTGAATTTGTTCATGCCCAACAAAGAGGCCAAACAC	1443
Db	1380	CCCTGSGATCGAGCAGCTTTCTGGATTGAATTTGTTCATGCCCAACAAAGAGGCCAAACAC	1439
Qy	1444	CTTTCGAGTTGCGAGCCCATGACCTCACCTGGTTCAGTACCACTCTTTTGGATGTGATGGG	1503
Db	1440	CTTTCGAGTTGCGAGCCCATGACCTCACCTGGTTCAGTACCACTCTTTTGGATGTGATGGG	1499
Qy	1504	TTTCTGCTGCCCTGTGGCACTGTGATTTATTCATCACAAGTTTGTGCTGTTTTCTG	1563
Db	1500	TTTCTGCTGCCCTGTGGCACTGTGATTTATTCATCACAAGTTTGTGCTGTTTTCTG	1559
Qy	1564	TTCTGGAAGTTTCTAGAAAAGGGAAGAGGAAAAAGAGATTAGTTATGTCTGACATTT	1623
Db	1560	TTCTGGAAGTTTCTAGAAAAGGGAAGAGGAAAAAGAGATTAGTTATGTCTGAGATTT	1619
Qy	1624	GAGCTGGAAAAACAGATAGATAGGACAACCTTCAGTTTTATTCCAGCAAGAAAGAAAGAT	1683
Db	1620	GAGCTGGAAAAACAGATAGATAGGACAACCTTCAGTTTTATTCCAGCAAG - AAGAT	1674

QY 1384 CCCCTGGATCGAGCAGCTCTCTGGATTGAATTTGTGTCATGCCCCACAAAGAGGCCAAACAC 1443
Db 1380 CCCCTGGATCGAGCAGCTCTCTGGATTGAATTTGTGTCATGCCCCACAAAGAGGCCAAACAC 1439
QY 1444 CTTTGGATTGGAGCCCATGACCTCAGCTGCTCCAGTACCACTCTTTGGATGCTGATTGGG 1503
Db 1440 CTTTGGATTGGAGCCCATGACCTCAGCTGCTCCAGTACCACTCTTTGGATGCTGATTGGG 1499
QY 1504 TTTCTGCTGGCTGTGTGGCAACTGTGATATTTATCATCACAAAGTTTGTCTGTTTGT 1563
Db 1500 TTTCTGCTGGCTGTGTGGCAACTGTGATATTTATCGTCACAAATGTGCTGTTTGT 1559
QY 1564 TTTCTGCAAGTTTGTCTAGAAAAGGGAAGGGAAGGAAAGAGATTAGTTATGCTGACATTT 1623
Db 1560 TTTCTGCAAGTTTGTCTAGAAAAGGGAAGGGAAGGAAAGATAGTTATGCTGAGATTT 1619
QY 1624 GAAGCTGGAAAACAGATAGATAGACAACTTCAGTTTATTCACCAAGAAAGAAAGAT 1683
Db 1620 GAAGCTGGAAAACCTGATAGGTGAGACTTTCAGTTTATTCACCAAG-----AAGAT 1674
QY 1684 TGTATGCAAGATTTCTTTCTTCTGCTGAC 1713
Db 1675 TGTGATGCAAGATTTCTTTCTTCTGAGAC 1704

RESULT 12

US-10-205-522-39
; Sequence 39, Application US/10205522
; Publication No. US2003007629A1
; GENERAL INFORMATION:
; APPLICANT: Penny, Laura
; APPLICANT: Galvin, Andrew
; APPLICANT: Miller, Andrew
; APPLICANT: Reidy, Michael
; TITLE OF INVENTION: Genotyping Human
; TITLE OF INVENTION: UDP-Glucuronosyltransferase 2B4 (UGT2B4), 2B7 (UGT2B7) and
; FILE REFERENCE: 2B15 (UGT2B15) Genes
; CURRENT APPLICATION NUMBER: US/10/205,522
; CURRENT FILING DATE: 2002-07-24
; PRIOR APPLICATION NUMBER: US/09/356,806
; PRIOR FILING DATE: 1999-07-20
; NUMBER OF SEQ ID NOS: 164
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 39
; LENGTH: 1854
; TYPE: DNA
; ORGANISM: H. sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (15)...(1584)
US-10-205-522-39

Query Match 84.3%; Score 1443.6; DB 14; Length 1854;
Best Local Similarity 91.5%; Pred. No. 0;
Matches 1564; Conservative 0; Mismatches 139; Indels 7; Gaps 3;

QY 4 GCATTGACACAGGATGACTCTGAAATGCACTTCAGTTTCTTCTGCTGATACATCTCCAGTT 63
Db 2 GCATTGACACAGGATGCTGTGAAATGCACTTCAGTTTCTTCTGCTGATACATCTCCAGTT 60
QY 64 GTTACTTTAGCTCTGGGAGTTGTGAAAGTGTGTTGGTGGCCGCGAGAAATACAGCCATT 123
Db 61 TTTGCTTTAGCTCTGGGAAATTTGGAAGGTGTGTTGGTGGCCGCGAGAAATACAGCCATT 120
QY 124 GGATGAATATGAAGCAATCTCGAAAGAGCTTGTTCAGAGAGGTTCATGAGTGTGACTGTAC 183
Db 121 GGATGAATATGAAGCAATCTCGGATGAGCTTATTCAGAGAGGTTCATGAGTGTGACTGTAC 180
QY 184 TGGCACTTCAGCTTCCATCTCTTTTGTATCCCAATGATGCACTCTTAAATTTGAAG 243
Db 181 TGGCACTTCAGCTTCCATCTCTTTTGTATCCCAATGATGCACTCTTAAATTTGAAG 240

QY 244 TTTATCTCATCTTTTAACTAAACTGAATTTGAGAAATATCATCATGCAACAGAGTTAAGA 303
Db 241 TTTATCCCACTCTTTTAACTAAACTGAATTTGAGAAATTTTATCATCATGCAACAGATTAAGA 300
QY 304 GATGGTCAGACATTCGAAAAGATAGCTTTTGGTTATATTTTTCACAGAAACAAGAAATCC 363
Db 301 GATGGTCAGACCTTTCCAAAAGATACATTTTGGTTATATTTTTCACAGTACAGGAAATCA 360
QY 364 TGTGGAAATATATGACATATTTTGAAGACTTCTGTAAAGATGTAGTTTCAATTAAGAAG 423
Db 361 TGTCAATATTTGGTGTACATACTAGAAGTCTGTAAAGATGTAGTTTCAATTAAGAAT 420
QY 424 TTATGAAAAAACTACAAGAGTCAAGATTTGACATCGTTTTCGAGATGCTGTTTTCCT 483
Db 421 TTATGAAAAAAGTACAAGAGTCAAGATTTGACGTCATTTTTCGAGATGCTATTTTTCCT 480
QY 484 GTGGTAGCTGCTGGCTGCGCTACTTAACTACACGTTTGTGTGTACAGTCTCGCTTTTACTC 543
Db 481 GTAGTAGCTGCTGGCTGAGCTATTTTAACTACACCTTTGTGTGTACAGTCTCAGCTTCTC 540
QY 544 CTGGCTACAAATTTGAAGGACACAGTGGAGCTGATTTTCCCTCTTCTTACATACCTA 603
Db 541 CTGGCTACACTTTTGAAGGACATAGTGGAGATTTATTTTCCCTCTTCTTACGTAACCTG 600
QY 604 TTGTTATGCTCAAAATTAAGTATCAAAATGACTTTTCATGGAGAGGTAAAAATATGATCT 663
Db 601 TTGTTATGTCAGAAATTAACATGATCAATGACTTTTCATGGAGAGGTAAAAATATGATCT 660
QY 664 ATGTGCTTTATTTTGGACTTTTGGTTCCAAATGTCTGATATGAAGAAGTGGGATCAGTTT 723
Db 661 ATGTGCTTTACTTTGACTTTTGGTTCCGAAATATTTGACATGAAGAAGTGGGATCAGTTT 720
QY 724 ACAGTGAAGTTTATGGAAGACCACTACTTATTTTGTGAGACATGGGAAAGCTGACATAT 783
Db 721 ATAGTGAAGTTTATGGAAGACCACTACTTATTTGTGAGACATGGGAAAGCTGACATAT 780
QY 784 GGCTTATGCGAAACTCTGAGATTTTCAATTTCTCTCATCTTCAATCTTACCAACCTGTGATT 843
Db 781 GGCTTATGCGAAACTCTGAGATTTTCAATTTTCTCTCATCTTCAATCTTACCAATTTGATT 840
QY 844 TTGTTGGAGATTCCTACTGGCAAACTGCGCAAACTCCCTTACCTAAGGAAATGGAGAGTTT 903
Db 841 TTGTTGGAGACTCCACT-GCAAACTGCGCAAACTCCCTTACCTAAGGAAATGGAGAGTTT 899
QY 904 GTACAGAGCTCTGGAGAAATGTTGTTGTGTTGTTTCTCTGGGGTCACTGATTAAGTAAC 963
Db 900 GTACAGAGCTCTGGAGAAATGTTGTTGTGTTTCTCTGGGGTCAATGCTCAGTAAC 959
QY 964 ATGACAGAGAGGGGCAATGTAATTTGCAACAGCCCTTGCAGAGATCCCAAAAGGTT 1023
Db 960 ATGACAGAGAGGGGCAACGTAATTTGCAATCAGCCCTTGCAGAGATCCCAAAAGGTT 1019
QY 1024 CTGTGGAGATTTGATGGGAATAAACACAGATGCTTGGTCTCAATCTCGGCTCTATAAG 1083
Db 1020 CTGTGGAGATTTGATGGGAATAAACACAGATGCTTGGTCTCAATCTCGGCTCTACAG 1079
QY 1084 TGGATACCCAGAGATGACCTTTAGGTCATCCAAAACACAGAGCTTTTATAACTCATGGT 1143
Db 1080 TGGATACCCAGAGATGACCTTTAGGTCATCCAAAACACAGAGCTTTTATAACTCATGGT 1139
QY 1144 GGAGCCAATGGCATCTATGAGGCAATCTACATGGGATCCCTATGTTGGGATTCATTTG 1203
Db 1140 GGAGCCAATGGCATCTACAGGCAATCTACATGGGATCCCTATGTTGGGATTTCCATTG 1199
QY 1204 TTTTGGGATCAACTGATTAACATTTGCTCACAATGAAGCCCAAGGAGAGCTGTTTAGATTG 1263
Db 1200 TTTTGGGATCAACTGATTAACATTTGCTCACAATGAAGCCCAAGGAGAGCTGTTTAGATTG 1259
QY 1264 GACTTCAACAATGTGAGTACAGACCTCTGTAATGCACTGTAAGACAGATTAATTAATGAT 1323
Db 1260 GACTTCAACAATGTGAGTACAGACCTCTGTAATGCACTGTAAGACAGATTAATTAATGAT 1319
QY 1324 CCTTTATTAAGAGAAATATTTGAAGATTTATGAAGAAATTTCAACATGATCAACCGTAAG 1383

[illegible]

RESULT 13

```

US-09-981-353-193
; Sequence 193, Application US/09981353
; Patent No. US20020160382A1
; GENERAL INFORMATION:
; APPLICANT: Lasek, Amy W.
; APPLICANT: Jones, David A.
; TITLE OF INVENTION: GENES EXPRESSED IN COLON CANCER
; FILE REFERENCE: PA-0038 US
; CURRENT APPLICATION NUMBER: US/09/981,353
; CURRENT FILING DATE: 2001-10-11
; NUMBER OF SEQ ID NOS: 194
; SOFTWARE: PERL Program
; SEQ ID NO 193
; LENGTH: 1714
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No. US20020160382A1 088078CB1
US-09-981-353-193

```

Query Match	83.9%;	Score 1436.4;	DB 9;	Length 1714;
Best Local Similarity	91.3%;	Pred. No. 0;		
Matches 1558;	Conservative	0;	Mismatches 141;	Indels 7; Gaps 3;
Qy	1	ATCGCATTCACACAGGATGACTCTGAAATCGACTTCAGTTCTTCTGCTGATACATCTCCCA	60	
Db	16	ATTGCGATTGCACCAGGATGCTCTGAAATCGACTTCAGTAAATTTTGGTAATCAACT-GA	74	
Qy	61	GTTGTTACTTTTAGCTCTGGGAGTTTGTGGAAAAGTCTGGTGTGGGCGCGAGAATACAGCC	120	
Db	75	GC'TTTTTCGTTTAGCTCTGGGAAATGTGTGAAAAGGTGCTGGTGTGGCGCAGCAGAAATACAGCC	134	
Qy	121	ATTGGATGGAATATGACAGACAATCCTGAAAGAGCTTGTTCAGAGAGGTCATGAGGTCACTG	180	
Db	135	ATTGGATGAATATAAGACAATCCTGGATGAGCTTATTACAGAGAGGTCATGAGGTGACTG	194	
Qy	181	TACTGGCATCTTCAGCTTCATCTCTTTTGGATCCCAATGATGATCCATCTCTTAAATTTG	240	
Db	195	TACTGGCATCTTCAGCTTCATCTCTTTTGGATCCCAACAACACTCATCCGCTCTTAAATTTG	254	
Qy	241	AAGTTTATCCTACATCTTTAACTAAAACACTGAAATTTGAGAAATATCATCATGCAACAGGTTA	300	
Db	255	AAATTTTATCCACATCTTTAACTTAAACTCAGTTGGAGAAATTTTCATCATGCAACAGATTA	314	

```
QY 1381 AAGCCCTGGATCGAGCAGCTTCTGGATTGTAATTTGTCATGCCCAACAAAGGAGCCAAA 1440
Db |||||
QY 1394 AAGCCCTGGATCGAGCAGCTTCTTGGATTGAATTTGTTCATGCGCCACAAAGGAGCTAAA 1453
Db |||||
QY 1441 CACCTTCGAGTTGCGAGCCCATGACCTCACCTGGTTCCAGTACCACTCTTTGGATGTGATT 1500
Db |||||
QY 1454 CACCTTCGGGTTGCGAGCCCAACACCTCACCTGGTTCCAGTACCACTCTTTGGATGTGATT 1513
QY 1501 GGGTTTCTGCTGGCCTGTGTGGCAACTGTGATATTTATCATCACAAAGTTTGTCTGTTT 1560
Db |||||
QY 1514 GGGTCTCTGCTGTGTGTGGCACTGTGATTTATTCGTCACAAATGTGTCTGTTT 1573
QY 1561 TGTTCCTGGAAGTTTGTAGAAAAGGGAAGAAAGGAAAAAGAGATTAGTTATGTCGTGACA 1620
Db |||||
QY 1574 TGTTCCTGGAAGTTTGTAGAAAAGCAAGAAAGGGAAGAAAAATGATTAGTTATCTGAGA 1633
QY 1621 TTTGAAGCTGGAAACCCAGATAGTAGGACACTTTCAGTTTATTCACGCAAGAAAGAAA 1680
Db |||||
QY 1681 GATTGTTATGCAAGATTTCTTCTTTC 1706
Db |||||
QY 1689 GATTGTGATGATGATGTCGATCTTC 1714
```

```
RESULT 14
US-10-468-125-18
; Sequence 18, Application US/10468125
; Publication No. US20040082061A1
; GENERAL INFORMATION:
; APPLICANT: ASTROMOFF, Anna
; APPLICANT: AU-YOUNG, Janice
; APPLICANT: BAUGHN, Mariah R.
; APPLICANT: DING, Li
; APPLICANT: DUGGAN, Brendan M.
; APPLICANT: FORSYTHE, Ian J.
; APPLICANT: GIETZEN, Kimberly J.
; APPLICANT: GRIFFIN, Jennifer A.
; APPLICANT: LEE, Ernestine A.
; APPLICANT: LU, Yan
; APPLICANT: RICHARDSON, Thomas W.
; APPLICANT: RING, Huijun Z.
; APPLICANT: SANJANWALA, Madhusudan
; APPLICANT: SWARNAKAR, Anita
; APPLICANT: CHAWLA, Narinder K.
; APPLICANT: WARREN, Bridget A.
; APPLICANT: XU, Yuming
; APPLICANT: YUE, Henry
; APPLICANT: ZEBARJADIAN, Yeganeh
; TITLE OF INVENTION: DRUG METABOLIZING ENZYMES
; FILE REFERENCE: PI-0363 USN
; CURRENT APPLICATION NUMBER: US/10/468,125
; CURRENT FILING DATE: 2003-08-15
; PRIOR APPLICATION NUMBER: PCT/US02/04918
; PRIOR FILING DATE: 2002-02-14
; PRIOR APPLICATION NUMBER: US 60/269,643
; PRIOR FILING DATE: 2001-02-16
; PRIOR APPLICATION NUMBER: US 60/271,332
; PRIOR FILING DATE: 2001-02-23
; PRIOR APPLICATION NUMBER: US 60/276,767
; PRIOR FILING DATE: 2001-03-16
; PRIOR APPLICATION NUMBER: US 60/282,077
; PRIOR FILING DATE: 2001-04-06
; PRIOR APPLICATION NUMBER: US 60/285,447
; PRIOR FILING DATE: 2001-04-19
; PRIOR APPLICATION NUMBER: US 60/287,060
; PRIOR FILING DATE: 2001-04-27
; PRIOR APPLICATION NUMBER: US 60/288,543
; PRIOR FILING DATE: 2001-05-03
; NUMBER OF SEQ ID NOS: 24
; SOFTWARE: PERL Program
; SEQ ID NO 18
; LENGTH: 1639
```

```
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No: 7493833CB1
US-10-468-125-18

Query Match      80.2%; Score 1374; DB 18; Length 1639;
Best Local Similarity 91.0%; Pred. No. 0;
Matches 1494; Conservative 0; Mismatches 145; Indels 3; Gaps 3;

QY 17 ATGACTCTGAAATGGACTTTCAGTTCTTCTGCTGTATACATCTCCAGTCTTACTTTAGTCTC 76
Db |||||
QY 1 ATGTCTATGAAATGGACTTTCAGTCTTCTGCTGTATACAGCTG-AGCTGTACTTTAGTCTC 59
Db |||||
QY 77 TGGGAGTTGTGGAAAAGTGTGTTGGCGCCAGAAATACAGCCATTGGATGAATATGAA 136
Db |||||
QY 60 TGGGAGTTGTGGAAAAGTGTGTTGGCGCCACAGAAATTCAGCCCACTGGATGAATATAAA 119
QY 137 GACAAATCCGAAAGAGCTTGTTCAGAGAGGTGATGAGGTGATGCTGCTGAGCATCTTCAGC 196
Db |||||
QY 120 GACAAATCCGAAAGAGCTTGTTCAGAGAGGTGATGAGGTGATGCTGCTGAGCATCTTCAGC 179
QY 197 TTCCATTCTTTTGTATCCCAATGATGATCCATCTCTTAAATTTGAAGTTTATCTTACATC 256
Db |||||
QY 180 TTCCATTCTTTTGTATCCCAATGATGATCCATCTCTTAAATTTGAAGTTTATCTTCTGTATC 239
QY 257 TTTAACTAAAATGAAATTTGAGAAATATCATCATGCMACAGGTAAAGAGATGCTGAGCAT 316
Db |||||
QY 240 TTTAACTAAAATGAAATTTGAGAAATATCATCATGCMACAGGTAAAGAGATGCTGAGCAT 299
QY 317 TCGAAAAGATAGCTTTTGGTTATATTTTCAAGAAACAAAGAAATCCCTGTGGGAATATA 376
Db |||||
QY 300 TCCAAAAGACACATTTTGGTCAATATTTTCAAGATGACAAAGAAATCATGTGGACATTTAA 359
QY 377 TGACATATTTAGAAAATCTCTGTAAGATGATAGTTTCAAAATGAAGAAATATGAAAAAACT 436
Db |||||
QY 360 TGACATATTTAGAAAATCTCTGTAAGATGATAGTTTCAAAATGAAGAAATATGAAAAAACT 419
QY 437 ACAAGAGTCAAGATTTGACATCGTTTGTGAGATGCTGTTTCCCTGTGGTGGAGTCTGCT 496
Db |||||
QY 420 ACAGAGTCAAGATTTGACATCGTTTGTGAGATGCTGTTTCCCTGTGGTGGAGTCTGCT 479
QY 497 GGCTGCGCTACTTAAACATACGGTTTGTGATCAGTCTCGCTTCTTACTCTCGCTGACACAA 556
Db |||||
QY 480 GGCTGAGCTATTAAACATACCGTTTGTGATCAGTCTCAGCTTCTCTCTGCTGACACTTT 539
QY 557 TGAAGGCGACAGTGGAGGACTGATTTTCCCTTCTTCCCTACATACCTATTTGTTATGTCAAA 616
Db |||||
QY 540 TGAAGGCGATAGTGGAGGATTTATTTTCCCTTCTTCCCTACGCTGCTGTTTATGTGAGA 599
QY 617 ATTAAGTGAATCAAAATGACTTTCATGGAGAGGTAAAAAATATGATCTATGCTTTATTT 676
Db |||||
QY 600 ATTAAGTGAATCAAAATGACTTTCATGGAGAGGTAAAAAATATGATCTATGCTTTACTT 659
QY 677 TGACTTTTGGTTTCAAAATGCTGATATGAAGAGTGGGATCAGTTTTCACAGTGAAGTTT 736
Db |||||
QY 660 TGACTTTTGGTTTCAAAATGCTGATGATGAAGAGTGGGATCAGTTTTCACAGTGAAGTTT 719
QY 737 AGGAAGAGCCCACTACATTTATCTGAGACAAATGGGAAAAAGCTGACATATGGCTTATGCGAAA 796
Db |||||
QY 720 AGGAAGAGCCCACTACATTTATCTGAGACAAATGGGAAAAAGCTGACATATGGCTTATGCGAAA 779
QY 797 CTCTCTGGAGTTTCAAAATTTCTCTCATCTTCTTACCAAAAGCTTGAATTTGTTGGAGGATT 856
Db |||||
QY 780 CTCTCTGGAGTTTTCAGTTTCTCTCATCTTCTTACCAAAAGCTTGAATTTGTTGGAGGACT 839
QY 857 CCACCTGGCAAACTGCGCAAAACCCCTACTAAGAGAAATGGAGAGTGTTCATCAGAGCTCTG 916
Db |||||
QY 840 CCACT-GCAAACTTGGCAAAACCCCTGCTTAAGAAATGGAAAGACTTTTGTACAGAGCTCTG 898
QY 917 GAGAAAATGGTGTGTGTGTGTTTCTCTGGGGTCAAGTGAATGAAGTAAACATGACAGAGAAA 976
Db |||||
```


THIS PAGE BLANK (USPTO)

GenCore version 5.1.6
Copyright (c) 1993 - 2005 CompuGen Ltd.

OM nucleic - nucleic search, using sw model

Run on: September 3, 2005, 04:54:03 ; Search time 331 Seconds
(without alignments)
8468.103 Million cell updates/sec

Title: US-09-721-183-2

Perfect score: 1713
Sequence: 1 atcgcatgaccaggatga.....gattctttctctgtgac 1713

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 1202784 seqs, 818138359 residues

Total number of hits satisfying chosen parameters: 2405568

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Issued Patents NA.*

1: /cgn2_6/ptodata/1/ina/5A_COMB.seq.*
2: /cgn2_6/ptodata/1/ina/5B_COMB.seq.*
3: /cgn2_6/ptodata/1/ina/6A_COMB.seq.*
4: /cgn2_6/ptodata/1/ina/6B_COMB.seq.*
5: /cgn2_6/ptodata/1/ina/PTCUS_COMB.seq.*
6: /cgn2_6/ptodata/1/ina/backfiles.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	1564.4	91.3	1708	4	US-09-949-016-2595 Sequence 2595, Ap
2	1519	88.7	1629	4	US-09-949-016-2596 Sequence 2596, Ap
3	1443.6	84.3	1854	4	US-09-356-806-39 Sequence 39, Appl
4	1364.2	79.6	1832	4	US-09-949-016-2734 Sequence 2734, Ap
5	1354.2	79.1	2092	4	US-09-356-806-7 Sequence 7, Appli
6	1349.4	78.8	2092	4	US-09-949-016-2594 Sequence 2594, Ap
7	1349.4	78.8	2092	4	US-09-949-016-3181 Sequence 3181, Ap
8	1343	78.4	2093	4	US-09-949-016-1128 Sequence 1128, Ap
9	1201.6	70.1	2107	3	US-09-180-852-1 Sequence 1, Appli
10	1188.8	69.4	1976	4	US-09-356-806-112 Sequence 112, App
11	1128.8	65.9	1413	3	US-09-813-918-1 Sequence 1, Appli
12	1128.8	65.9	1413	4	US-10-060-311-1 Sequence 1, Appli
13	941.8	55.0	1323	4	US-09-949-016-2735 Sequence 2735, Ap
14	941.8	55.0	1323	4	US-09-949-016-2736 Sequence 2736, Ap
15	742.8	43.4	2966	4	US-09-976-594-241 Sequence 241, App
16	674.6	39.4	18373	4	US-09-949-016-14338 Sequence 14338, A
17	674.6	39.4	18452	4	US-09-949-016-14337 Sequence 14337, A
18	634.6	37.0	1001	4	US-09-671-317-403 Sequence 403, App
19	602.6	35.2	1686	4	US-09-356-806-41 Sequence 41, Appl
20	579.2	33.8	1323	4	US-09-356-806-1 Sequence 1, Appli
21	579.2	33.8	19732	4	US-09-949-016-12870 Sequence 12870, A
22	579.2	33.8	19732	4	US-09-949-016-14923 Sequence 14923, A
23	579.2	33.8	19733	4	US-09-949-016-14336 Sequence 14336, A
24	520	30.4	20441	4	US-09-949-016-14476 Sequence 14476, A
25	491.4	28.7	2312	4	US-09-356-806-114 Sequence 114, App
26	489.8	28.6	20599	4	US-09-949-016-14477 Sequence 14477, A
27	489.8	28.6	20599	4	US-09-949-016-14478 Sequence 14478, A

ALIGNMENTS

RESULT 1

US-09-949-016-2595
; Sequence 2595, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CLO01307
; CURRENT APPLICATION NUMBER: US/09/949,016
; PRIORITY FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2595
; LENGTH: 1708
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-2595

Query Match 91.3%; Score 1564.4; DB 4; Length 1708;
Best Local Similarity 96.0%; Pred. No. 0;
Matches 1638; Conservative 0; Mismatches 61; Indels 7; Gaps 3;

Qy	8	TGCACAGGATGACTCTGAATGGACCTTCAGTTCTTCTGTGATACATCTCCAGTTGTTA	67
Db	1	TGCACAGGATGGTTCTGAAATGGGCTTCAGTTCTTCTGTGATACATCT-CAGTTGTTA	59
Qy	68	CTTTAGCTCTGGGAGTTGTGAAAGGCTGGTGGCCGACAGAAATACAGCCATTGGAT	127
Db	60	CTTTAGCTCTGGGAGTTGTGAAAGGCTGGTGGCCGACAGAAATACAGCCATTGGAT	119
Qy	128	GAATATGAAGCAATCTCTGAAAGAGCTTGTTCAGAGAGGTCATGAGGTGACTGTACTGGC	187
Db	120	GAATATGAAGCAATCTCTGAAAGAGCTTGTTCAGAGAGGTCATGAGGTGACTGTACTGGC	179
Qy	188	ATCTTACGCTTCATCTTTTGTATCCCATGATGATCCACTCTTAAATTTGAAGTTTA	247
Db	180	ATCTTACGCTTCATCTTTTGTATCCCATGATGATCCACTCTTAAATTTGAAGTTTA	239
Qy	248	TCCTACATCTTTTAACTAAACTGAATTTGAGATATCATGCAACAGGTTTACAGATG	307
Db	240	TCCTACATCTTTTAACTAAACTGAATTTGAGATATCATGCAACAGGTTTACAGATG	299
Qy	308	GTCAGACATTCGAAAGATAGCTTTTGGTTATATTTTTCACAGAACACAGAAATCCTGTG	367

Sequence 412, Appl
Sequence 45, Appl
Sequence 405, Appl
Sequence 2, Appli
Sequence 76, Appl
Sequence 1813, Ap
Sequence 1, Appli
Sequence 6, Appli
Sequence 17, Appl
Sequence 352, App
Sequence 353, App
Sequence 354, App
Sequence 118, App
Sequence 427, App
Sequence 424, App
Sequence 3284, Ap
Sequence 428, App
Sequence 404, App

28 480.4 28.0 1001 4 US-09-671-317-412
29 326.6 19.1 596 4 US-09-356-806-45
30 320 18.7 1001 4 US-09-671-317-405
31 319.4 18.6 2339 5 PCT-US92-00282-2
32 299.6 17.5 2351 4 US-09-949-016-76
33 299.6 17.5 2351 4 US-09-949-016-1813
34 298 17.4 2336 5 PCT-US92-00282-1
35 266.2 15.5 1589 4 US-09-356-806-6
36 265.8 15.5 735 4 US-09-305-856B-17
37 264.2 15.4 1001 4 US-09-671-317-352
38 263 15.4 1001 4 US-09-671-317-353
39 263 15.4 1001 4 US-09-671-317-354
40 246 14.4 978 4 US-09-356-806-118
41 244.4 14.3 1001 4 US-09-671-317-427
42 230 13.4 1001 4 US-09-671-317-424
43 220.6 12.9 350 4 US-09-513-999C-3284
44 217 12.7 1001 4 US-09-671-317-428
45 208.4 12.2 1001 4 US-09-671-317-404

```
Db 300 GTGACAGATCCAAAGATACATTTGGTTATATTTTTCACAAAGAACAGAAATGCTGTA 359
Qy 368 GGAATTTATAGACATATTTAGAACTCTCTGTAAGATGTAGTTTCAATAAAGAAAGTTAT 427
Db 360 GGAATTTATAGACATATTTAGAAATCTGTAAGATCTCATTTTCAATAAAGAAATTTAT 419
Qy 428 GAAAAACTACAGAGTCAAGATTTGACATCGTTTTTGCAGATGCTGTTTTTCCCTGTGG 487
Db 420 GAAAAACTATAGAAGTCAAGATTTGACATCGTTTTTGCAGATGCTTTTTTCCCTGTGG 479
Qy 488 TGAGCTGCTGGCTGGCTACTTTAAATACAGGTTTGTGTACAGTCTCCGCTTTTACTCCCTGG 547
Db 480 TGAGCTGCTGGCTGGCTACTTTAAATACAGGTTTGTGTACAGTCTCCGCTTTTACTCCCTGG 539
Qy 548 CTACACAATTTGAAAGGCAAGTGGAGGACTGATTTTCCCTCTTCTCATACATACCTATTGT 607
Db 540 CTACACAGTTGAAAGGCAAGTGGAGGACTGATTTTCCCTCTTCTCATACATACCTATTGT 599
Qy 608 TATGTCAAATTTAGTGATCAATGACATTTTATGGAGAGGTTTAAATAATATGATCTATGT 667
Db 600 TATGTCAAATTTAGTGATCAATGACATTTTATGGAGAGGTTTAAATAATATGATCTATGT 659
Qy 668 GCTTTATTTTGCATTTTGGTTCCAAATGCTCTGATATGAAGTGGGATCAGTTTTCAG 727
Db 660 GATTTATTTTGCATTTTGGTTCCAAATATGATATGAAGTGGGATCAGTTTTCAG 719
Qy 728 TGAAGTTTGAAGAACCCACTACCTTATTTGAGACAAATGGGAAAGCTGACATATGGCT 787
Db 720 TGAAGTTTGAAGAACCCACTACCTTATTTGAGACAAATGGGAAAGCTGACATATGGCT 779
Qy 788 TATGGAAACTCTGGAGTTTTCATTTTCTTCATCCATCTTACCAACGTTGATTTGT 847
Db 780 TATGGAAACTCTGGAAATTTTCAGTTTTCCTCATCCATCTTACCAACGTTGATTTGT 839
Qy 848 TGGAGATTCCACTGGCAAACTGCGAAACCCCTACCTTAAGGAAATGGAGAGTTTGTAC 907
Db 840 TGGAGATTTCCT- GCAAACTGCGAAACCCCTACCTTAAGGAAATGGAGAGTTTGTAC 898
Qy 908 AGAGCTCTGGAGAAAATGGTGTGTGGTGTCTCTGGGGTCAAGTAAAGTAAACATGA 967
Db 899 AGAGCTCTGGAGAAAATGGTGTGTGGTGTCTCTGGGGTCAAGTAAAGTAAACATGA 958
Qy 968 CAGCAGAAAGGGCCAAATGATTTGCAACAGCCCTTGCAGAGATCCCAAAAGGTTCTGT 1027
Db 959 CAGCAGAAAGGGCCAAACGTAATTTGCAACAGCCCTTGCAGAGATCCCAAAAGGTTCTGT 1018
Qy 1028 GGAGATTTGATGGGAATAAACACAGATGCTTTAGGTCTCAATCTCGGCTGTATAAGTGA 1087
Db 1019 GGAGATTTGATGGGAATAAACACAGATGCTTTAGGTCTCAATCTCGGCTGTATAAGTGA 1078
Qy 1088 TACCCCAAGATGACCTTCTAGGTTCATCAAAACCCAGAGCTTTTATACTCATGTGGAG 1147
Db 1079 TACCCCAAGATGACCTTCTAGGTTCATCAAAACCCAGAGCTTTTATACTCATGTGGAG 1138
Qy 1148 CCAATGGATCTATGAGGCAATCTACATGGGATCCCTATGGTGGGCAATCCATTTGTTT 1207
Db 1139 CAAGTGGCATCTATGAGGCAATCTACATGGGATCCCTATGGTGGGCAATCCATTTGTTT 1198
Qy 1208 GGGATCAACCTGTAAACATTTGCTCACATGAAGGCCAAGGGAGAGCTGTGTAGATTGGACT 1267
Db 1199 GGGATCAACCTGTAAACATTTGCTCACATGAAGGCCAAGGGAGAGCTGTGTAGATTGGACT 1258
Qy 1268 TCAACACAATGTGAGTACAGACCTGTGAAATGCACTGAAGACAGTAAATTAATGATCCTT 1327
Db 1259 TCCACACAATGTGAGTACAGACCTGTGAAATGCACTGAAGACAGTAAATTAATGATCCTT 1318
Qy 1328 TATATAAGAGAAATTTATGAAATTTCAAGAAATTTCAACATGATCAACAGTAAAGCCCC 1387
Db 1319 TATATAAGAGAAATTTATGAAATTTCAAGAAATTTCAACATGATCAACAGTAAAGCCCC 1378
Qy 1388 TGGATCGAGCAGTCTCTGGGATTTGAAATTTGTGTCGCCCCACAAAGGAGCCAAACACCTTC 1447
```

```
Db 1379 TGGATCGAGCAGTCTTCTGGATTGAATTTGTGCATGCCACAAAGGAGCCAAACACCTTC 1438
Qy 1448 GAGTTGAGGCCATGACCTCACTGGTTCCAGTACCACTCTTTGGATGTGATGGGTTTC 1507
Db 1439 GAGTTGAGGCCCGTGACCTCACCTGGTTCCAGTACCACTCTTTGGATGTGATGGGTTTC 1498
Qy 1508 TGCTGGCTGTGTGGCAACTGTGATATTTATCATCAAAAGTTTGTCTGCTTTGTTTCT 1567
Db 1499 TGCTGGCTGTGTGGCAACTGTGATATTTATCATCAAAAGTTGTGTCTGTTTGTCT 1558
Qy 1568 GGAAGTTTGTAGAAAAAGGAAAGGAAAGGAAAGAGATTTAGTTATGTCTGACATTTGAAG 1627
Db 1559 GGAAGTTTACTAGAAAGTGAAGAGGAAAGGAGTTAGTTATGTCCGACATTTGAAG 1618
Qy 1628 CTGAAAAACAGATPAGATAGGACAACTTCAGTTTATTTCCAGCAAGAAAGAAAGATTTT 1687
Db 1619 CTGAAAAACCTGATAGATGGATGACTTCAGTTTATTTCCAGCAAG-----AAAGATTGTG 1673
Qy 1688 ATGCAAGATTTCTTTCTTCTCTCTGTGAC 1713
Db 1674 ATGCAAGATTTCTTTCTTCTCTATGAC 1699
```

RESULT 2

```
US-09-949-016-2596
; Sequence 2596, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR FILING DATE: 2000-10-20
; PRIOR FILING DATE: 2000-10-20
; PRIOR FILING DATE: 2000-10-20
; PRIOR FILING DATE: 2000-10-20
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: Fast-Seq for Windows Version 4.0
; SEQ ID NO 2596
; LENGTH: 1629
; TYPE: DNA
; ORGANISM: Human
; US-09-949-016-2596
```

```
Query Match 88.78; Score 1519; DB 4; Length 1629;
Best Local Similarity 96.54; Pred. No. 0;
Matches 1574; Conservative 0; Mismatches 55; Indels 2; Gaps 2;
```

```
Qy 7 TTGCACCAGATGACTCTGAAATGGACTTCAGTTTCTTCTGCTGATACATCTCCAGTTGTT 66
Db 1 TTGCACCAGATGACTCTGAAATGGACTTCAGTTTCTTCTGCTGATACATCT-CAAGTTGTT 59
Qy 67 ACTTTAGCTCTGGAGTTGTGAAAAAGTGTGTGTGGGCGCAGAAATACAGCAATGGA 126
Db 60 ACTTTAGCTCTGGAGTTGTGAAAAAGTGTGTGTGGGCGCAGAAATACAGCCTTTGGA 119
Qy 127 TGAATATGAAGACAACTCTGAAAGAGCTTCTTTCAGAGAGGTCTGAGGTGACTGTACTGG 186
Db 120 TGAATATGAAGACAACTCTGAAAGAGCTTCTTTCAGAGAGGTCTGAGGTGACTGTACTGG 179
Qy 187 CATCTTCAGCTTCATTTCTTTTGTATCCCAATGATGATCCACTCTTTAAATTTTGAAGTTT 246
Db 180 CATCTTCAGCTTCATTTCTTTTGTATCCCAAGACTCATCCACTCTTAACTCGAAGTTT 239
Qy 247 ATCTTACATCTTTAACTTAAACTGAAATTTGAGAAATATCATCATGCAACAGGTTAAGAT 306
Db 240 ATCTTACATCTTTAACTTAAACTGAAATTTGAGAAATATCGTCGCAACAGGTTAAGAT 299
Qy 307 GGTGAGACATTCGAAAGATAGCTTTTGGTTATATTTTTCACAAAGCAAGAAATCTCTGT 366
```



```
QY 304 GATGTCAGACATTCGAAAGATAGCTTTTGGTTATATATTTTTCACAGAAACA-JGAAATC 362
Db 277 NNTGTCAGACCTTTTCAAAAGATACATTTTGGTTATATATTTTTCACAGGAAATC 336
QY 363 CTGTGGGAATATATGACATATTTAGAACTTCTGTAAGATGATGTTTCAATAAGAAA 422
Db 337 ATGTCATATTTTGGTGACATTAACATAGAAGTTCTGTAAGATGATGTTTCAATAAGAAA 396
QY 423 GTTATGAAAAAACAATAAGAGTCAAGATTTGACATCGTTTTTGAGATGCTGTTTTTCCC 482
Db 397 TTTATGAAAAAAGTACAAAGATCAAGATTTGACGTCATTTTTGACAGATGCTATTTTTCCC 456
QY 483 TGTGTCAGCTGCTGGCTGCGCTACTTAACATACGTTTTGTTGTTGTTGTTGTTTACT 542
Db 457 TGTAGTGAAGCTGCTGGCTGAGCTATTTAAACATACCCCTTTGTTGTTGTTGTTGTTT 516
QY 543 CCTGCTACACAATTTGAAAGGCACAGTCGAGGACTGATTTTCCCTTCTCTACATACCT 602
Db 517 CTTGCTACACTTTTGAAGAGATAGTGGAGATTTATTTTCCCTTCTCTACATACCT 576
QY 603 ATTGTTATGTCAAAATTAAGTGATCAAAATGACTTTTCATGAGAGGGTAAAAAATATGATC 662
Db 577 GTTGTATGTCAGAAATTAACATGATCAATGACTTTTCATGGAGAGGGTAAAAAATATGATC 636
QY 663 TATGTCCTTTATTTGACTTTTGGTTCCAAATGTCGTGATATGAAGAGTGGGATCAGTTT 722
Db 637 TATGTCCTTTACTTTGACTTTTGGTTTCGAAATATTTTGACATGAAGAGTGGGATCAGTTT 696
QY 723 TACAGTGAAGTTTATAGGAAGACCCACTACCTTTATTTTGAGACAAATGGGAAGCTGACATA 782
Db 697 TATAGTGAAGTTCTAGGAAGACCCACTACATATATCTGAGACAATGGGAAGCTGACGTA 756
QY 783 TGGCTTATGCGAAACTCTCGAGTTTTCAAATTTCTCTCATCCATTTTACCAAAAGTTTGTAT 842
Db 757 TGGCTTATGCGAACTCTCGAATTTTCAGTTTCCATATCCACTTTTACCAAAATGTTGTAT 816
QY 843 TTTGTTGAGGATTCACATGCGAAACCTGCGCAAAACCCCTACTAAGGAAATGGAGGAGTT 902
Db 817 TTTGTTGAGGACTCCACT-GCAAACTGCGCAAAACCCCTGCTAAGGAAATGGAGGACTT 875
QY 903 TGTACAGAGCTCTGGAGAAATGTTGTTGGTGTCTCTCTGGGTCAGTGATGAATAA 962
Db 876 TGTACAGAGCTCTGGAGAAATGTTGTTGGTGTCTCTCTGGGTCAGTGATGAATAA 935
QY 963 CATGACAGCAAAAGGGGCAATGTAATTTGCAACAGCCCTTGCCAAAGATCCCAAAAAGGT 1022
Db 936 CATGACAGCAAAAGGGGCAACGTAAATTTGCATCAGCCCTGCGCCAGATCCCAAAAAGGT 995
QY 1023 TCTGTGGAGATTTGATGGGAATAAACAGATGCGCTTAGGTCTCAATCTCGGCTGTATAA 1082
Db 996 TCTGTGGAGATTTGATGGGAATAAACAGATACCTTAGGTCTCAATCTCGGCTGTATAA 1055
QY 1083 GTGATATCCCGAGATGACCTTTAGTGCATCCAAAACAGAGCTTTTATACTCATGG 1142
Db 1056 GTGATATCCCGAGATGACCTTTAGTGCATCCAAAACAGAGCTTTTATACTCATGG 1115
QY 1143 TGGAGCCAAATGGCATCTATAGGCAATCTACATGGGATCCCTTATGTTGGGCATTTCCATT 1202
Db 1116 TGGAGCCAAATGGCATCTAGAGGCAATCTACATGGGATCCCTTATGTTGGGATTTCCATT 1175
QY 1203 GTTTTGGGATCAACCTGTATAACATTTGCTTACATGAAGCCCAAGGAGCAGCTGTAGATT 1262
Db 1176 GTTTTGGGATCAACCTGTATAACATTTGCTTACATGAAGCCCAAGGAGCAGCTGTAGATT 1235
QY 1263 GGACTTCAACACAAATGTCAGTACAGACCTGCTGATGCAATGCAATGCAAGATTAATGA 1322
Db 1236 GGACTTCAACACAAATGTCAGTACAGACCTTCTGATGCAATGCAATGCAAGATTAATGA 1295
QY 1323 TCCCTTATATAAGAGAAATATTTAGAAATTTATCAAGAAATTCACATGATCAACCAAGTAAA 1382
Db 1296 TCCCTTATATAAGAGAAATATTTAGAAATTTATCAAGAAATTCACATGATCAACCAAGTAAA 1355
QY 1383 GCCCCTGGATCGAGCAGTCTTTCTGGATTGAATTTGTATGTCGCCCAACAAAGAGGCCAAACA 1442
```

```
Db 1356 GCCCTGGATCGAGCAGTCTTTGGATTGAATTTGTATGCGCCACAAGAGGACTAAACA 1415
QY 1443 CTTTCGAGTTTGCAGCCCATGACCTCAGCTGTTCCAGTACCACCTCTTTTGGATGTGATGG 1502
Db 1416 CTTTCGGGTTGCAGCCCAACGACCTCAGCTGTTCCAGTACCACCTCTTTTGGATGTGATGG 1475
QY 1503 GTTTCTGCTGCTGCTGTCGCAACTGTGATATTTATCATCAAAAGTTTCTGCTGTTTTG 1562
Db 1476 GTTCTGCTGCTGCTGTCGCAACTGTGATATTTATCGTCACAAAATGTTCTGCTGTTTTG 1535
QY 1563 TTTCTGGAAGTTTCTAGAAAAGGGAAGAGGGAAGAGATTTAGTTATGCTCTGACATTT 1622
Db 1536 TTTCTGGAAGTTTCTAGAAAAGGGAAGAGGGAAGAGATTTAGTTATGCTCTGAGATTT 1595
QY 1623 TGAAGCTGGAAGAACCCAGATAGATAGGACAACTTCAGTTTATTTCCAGCAAGAAAGAAAAGA 1682
Db 1596 TGAAGCTGGAAGAACCCAGATAGGAGACTACTTCAGTTTATTTCCAGCAAG-----AAAGA 1650
QY 1683 TTGTTATGCAAGATTTCTTTCTCTCTGTGAC 1713
Db 1651 TTGTGATGCAAGATTTCTTTCTCTCTGAGAC 1681

RESULT 5
US-09-356-806-7
; Sequence 7, Application US/09356806
; Patent No. 6586175
; GENERAL INFORMATION:
; APPLICANT: Penny, Laura
; APPLICANT: Galvin, Margaret
; APPLICANT: Miller, Andrew
; APPLICANT: Reidy, Michael
; TITLE OF INVENTION: Genotyping Human
; TITLE OF INVENTION: UDP-Glucuronosyltransferase 2B4 (UGT2B4), 2B7 (UGT2B7) and
; FILE OF INVENTION: 2B15 (UGT2B15) Genes
; FILE REFERENCE: SEQ-22PRV2
; CURRENT APPLICATION NUMBER: US/09/356.806
; CURRENT FILING DATE: 1999-07-20
; NUMBER OF SEQ ID NOS: 164
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 7
; LENGTH: 2092
; TYPE: DNA
; ORGANISM: H. sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (38)...(1621)
US-09-356-806-7

Query Match 79.1%; Score 1354.2; DB 4; Length 2092;
Best Local Similarity 88.8%; Pred. No. 0;
Matches 152; Conservative 0; Mismatches 183; Indels 8; Gaps 5;

QY 1 ATCGCATTTGCCAGGATGATCTGAAATGGACTTCAGTTCTCTCTGCTGATACATCTCCA 60
Db 22 ATTGCATTGTCATCAGGATGCTATGAATGGAATTCAGCTCTTCTGCTGATACAGCT-GA 80
QY 61 GTTGTACTTTAGCTCTGGGAGTTGTGAAAAGTGTGTTGTGGGCGCAGAAATACAGCC 120
Db 81 GCTGTTACTTTAGCTCTGGGAGTTGTGAAAAGTGTGTTGTGGGCGCAGAAATTCAGCC 140
QY 121 ATTGGATGAATATGAAGACAAATCTGAAAGAGCTTGTTCAGAGAGGTCATGAGGTGACTG 180
Db 141 ACTGGATGAATATGAAGACAAATCTGGAATGAATTTGCCAGAGAGGTCATGAGGTGACTG 200
QY 181 TACTGGCATCTTCAGCTTCCATTTCTTTTGTATCCCAATGATGATCCACTCTTAAATTTG 240
Db 201 TATTGGCATCTTCAGCTTCCATTTCTTTTGTATCCCAACAGCCCATCTACTCTTAAATTTG 260
QY 241 AAGTTTATCTCATCTTTTAACTAAATCTGAAATTTGAGAAATATCATCATGCAACAGGTTA 300
Db 261 AAGTTTATCTCATCTTTTAACTAAATCTGAAATTTGAGGATATTTATCAAGCAGCTGGTTA 320
```


QY 301 AGAGATGGTTCAGACATTCGAAAGATAGCTTTTGGTTATATTTTTCACAAAGAA 360
DB 321 AGAGATGGCAGAACTTCACAAAGACACATTTTGGTCATATTTTTCACAAAGTACAGAA 380
QY 361 TCCTGTGGGAATATATGACATATTTAGAACTTCCTGTAAAGATGATGTTTCAATAAGA 420
DB 381 TCATGTGGACATTTAATGACATCTAGAAAGTTCCTGTAAGGATATAGTTTCAATAAGA 440
QY 421 AAGTTATGAAAAAATACAAAGAGTCAAGATTTGACATGTTTTCACAGATGCTGTTTTTC 480
DB 441 AACTTATGAAGAACTTACAGGAGTCAAGATTTGATGTTTCTTCAGATGCTGTTTTCC 500
QY 481 CCTGTGGTGAAGTCTGGCTGGCTGCTACTTTAAATACATACGGTTTGTGACAGTCTCCGCTTTA 540
DB 501 CCTTTGGTGAGCTGCTGGCCGAGTTACTTTAAATACCTTTTGTCTACAGCCTCCGCTTCT 560
QY 541 CTCCTGGCTACAAATTTGAAGGACAGTGGAGGACTGATTTTCCCTCCTTCTACATAC 600
DB 561 CTCCTGGCTACGCAATTTGAAAGCATAGTGGAGGACTTCTGTTCCTCCTCTATGTGC 620
QY 601 CTATTGTTATGTCAAAATTAAGTGATCAAAATGACTTTCATGAGAGGCTTAAATATGA 660
DB 621 CTGTTGTTATGTCAAGACTAAGTGACCAATGACTTTTCATGAGAGGCTTAAATATGA 680
QY 661 TCTATGTGCTTTATTTTGACTTTTGGTTCCTAAATGCTGATATGAAGTGGGATCAGT 720
DB 681 TCTATGTGCTTTATTTGATTTTGGTTCCTAAATATTTGACATGAAGTGGGATCAGT 740
QY 721 TTTACAGTGAAGTTTGAAGAGACCCACTACCTTTATTTGAGACAAATGGGAAAGCTGACA 780
DB 741 TCTACAGTGAAGTTCTAGGAAGCCACTACCTTTATCTGAGACAAATGGGAAAGCTGACA 800
QY 781 TATGGCTTATGCAAACTCCTGGAGTTTTCATTTCTCTCATCCATTTCTTACCAACGTTG 840
DB 801 TATGGCTTATGCAAACTCCTGGAGTTTTCATTTCTCTCACCCACTCTTACCAATGTTG 860
QY 841 ATTTTGTGGAGGATTCACCTGGCAAACTGCAAACTCCTACCTTAAGGAAATGGAGAG 900
DB 861 AGTTGTTGGAGGACTCCACT-GCAAACTGCCAAACCTTACCGAAGAAATGGAGAG 919
QY 901 TTTGTACAGAGCTCTGGAGAAATAGGTGTGTGTGTTTCTCTGGGTCTAGTGATAGT 960
DB 920 TTTGTCCAGAGCTCTGGAGAAATAGGTGTGTGTGTTTCTCTGGGTCTAGTGATAGT 979
QY 961 AACATGACAGCAAGAGGCCAATGTAATTTGCACAGCCCTTGCACAGATCCCAAAAG 1020
DB 980 AACATGACAGCAAGAGGCCAATGTAATTTGCATCAGCCCTTGCACAGATCCCAAAAG 1039
QY 1021 GTTCTGTGGAGATTTGATGGGAATAAACCAGATGCTTTAGGTCTCAATCTCGCTGTAT 1080
DB 1040 GTTCTGTGGAGATTTGATGGGAATAAACCAGATGCTTTAGGACTCAATCTCGCTGTAT 1099
QY 1081 AAGTGGATACCCAGAAATGACTTCTAGGTCTATCCAAAAACCCAGAGCTTTTATACTCAT 1140
DB 1100 AAGTGGATACCCAGAAATGACTTCTGTGTCAACCAAAACCCAGAGCTTTTATACTCAT 1159
QY 1141 GGTGGAGCCAATGGCATCTATGAGGCAATCTACCATGGGATCCCTATGGTGGCATTTCCA 1200
DB 1160 GGTGGAGCCAATGGCATCTATGAGGCAATCTACCATGGGATCCCTATGGTGGGCTTTCCA 1219
QY 1201 TGTGTTTGGGATCAACCTGTAAACATTTCTCACATGAAGGCCAAGGGAGAGCTGTTTGA 1260
DB 1220 TGTGTTGAGATCAACCTGTAAACATTTCTCACATGAAGGCCAAGGGAGAGCTGTTTGA 1279
QY 1261 TTGGAATTTCAACACAAATGTGAGTACAGACCTGTGTAAATGCACTGAAGACAGTAAAT 1320
DB 1280 TTGGAATTTCAACAAATGTGAGTACAGACCTTACTCAATGCACTGAAGACAGTAAAT 1339
QY 1321 GATCCTTTATATAAGAGAAATTTATGAAATTTATCAAGAAATTTCAACATGATCAACCAAGTA 1380
DB 1340 GATCCTTTATATAAGAGAAATTTATGAAATTTATCAAGAAATTTATCAACATGATCAACCAAGTA 1399

RESULT 7

US-09-949-016-3181
; Sequence 3181, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 3181
; LENGTH: 2092
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-3181

Query Match 78.8%; Score 1349.4; DB 4; Length 2092;
Best Local Similarity 88.7%; Pred. No. 0;
Matches 1519; Conservative 0; Mismatches 186; Indels 8; Gaps 5;

QY 1 ATCCGATTCGACACAGGATGACTCTGAAATGACATTCAGTTCTCTGCTGATACATCTCCA 60
DB 22 ATTGCATTCGATCAGGATGCTATGAATGACATTCAGTTCTCTGCTGATACAGCT-GA 80
QY 61 GTTGTACTTTAGCTCTGGGAGTTGTGAAAGTGTGTTGGTGGCCGAGAAATACAGCC 120
DB 81 GCTGTACTTTAGCTCTGGGAGTTGTGAAAGTGTGTTGGTGGCCGAGAAATTCAGCC 140
QY 121 ATTGGATGATATGAACAACTCTGAAAGAGCTTGTTCAGAGAGGTCATGAGTGACTG 180
DB 141 ACTGGATGAATATAAAGCAACTCTGATGAACCTTGTCCAGAGAGGTCATGAGTGACTG 200
QY 181 TACTGGCATCTTCAGCTTCATTTCTTTTGTATCCCAATGATGTCACCTCTTAAATTTG 240
DB 201 TATTGGCATCTTCAGCTTCATTTCTTTTGTATCCCAAGCCCATCTACTCTTAAATTTG 260
QY 241 AAGTTTATCTTACATCTTTTAACTAAAACTGAAATTTGAGAAATATCATCATGCAACAGGTTA 300
DB 261 AAGTTTATCTTATCTTTTAACTAAAACTGAGTTTGGAGATATTTATCAAGCAGCTGGTTA 320

```
QY 301 AGAGATGCTCAGACATTCGAAAGATAGCTTTTGGTTATATTTTCAAGAACAAGAAA 360
Db 321 AGAGATGGCAGAACTTCCAAAGACACATTTTGGTCATATTTTCACAAGTACAAGAAA 380
QY 361 TCCTGTGGGAATATATGACATATTTAGAACTTCTGTAAGAGATGAGTCTTCAATAAGA 420
Db 381 TCATGTGACATTTAATGACATCTTAGAAGTCTCTGAAGATATAGTTTCAATAAGA 440
QY 421 AAGTTATGAAAAAATACTAAGAGTCAAGATTGACATCGTTTTTGCAGATGCTGTTTTTC 480
Db 441 AACTTATGAAGAAAATACTAAGAGTCAAGATTGATGTTGTTCTTGACAGATGCTGTTTTTC 500
QY 481 CCTGTGGTGAAGTCTGCTGCTGCTGCTTCTTAACATACAGGTTTGTGTACAGTCTCCGCTTAA 540
Db 501 CCTTTGGTGAAGTCTGCTGCTGCTGCTTCTTAATAATACCCCTTTCTTACAGCTCCGCTTCT 560
QY 541 CTCCTGGCTACAAATTCGAAGGACAGTGGAGGACTGATTTTCCCTCTCTTCTTACATAC 600
Db 561 CTCCTGGCTACGAATTCGAAGGACAGTGGAGGACTTCTGTTCCCTCTCTTCTTATGTGC 620
QY 601 CTATTGTTATGTCAAAATTAAGTGTACAAATGACTTTCATGGAGAGGTTAAAAAATATGA 660
Db 621 CTGTTGTTATGTCAAACTAAGTGTACCAATGACTTTTCATGAGAGGTTAAAAAATATGA 680
QY 661 TCTATGCTCTTATTTTGAATTTTGGTTCCAAATGCTGTATATGAAAGTGGATCAGT 720
Db 681 TCTATGCTCTTATTTTGAATTTTGGTTCCAAATATTTGACATGAAGAGTGGATCAGT 740
QY 721 TTTACAGTGAAGTTTATAGAGACCCACTACTCTTATTTGAGACAAATGGAAAAGCTGACA 780
Db 741 TCTACAGTGAAGTTTATAGAGACCCACTACTCTTATCTGAGACAAATGGAAAAGCTGACA 800
QY 781 TATGCTTATGCGAAACTCTGGAGTTTCAATTTCTCATCTTCAATTTTCAAAACGTTG 840
Db 801 TATGCTTATTTGAAACTACTGGGATTTTCAATTTCTTCACTTCACTTCAAAATGTTG 860
QY 841 ATTTTGTGGAGGATTCACCTGGGACACCTGCGCAACCCCTACCTAAGGAATGGAGAG 900
Db 861 AGTTGTTGGAGGATTCACCT-GCAAACTTCCCAACCCCTACCGAAGGAATGGAGAG 919
QY 901 TTTGTACAGAGCTCTGGAGAAAATGGTGTGTGGTGTGTTTCTCTGGGCTCAGTGATAGT 960
Db 920 TTTGTCCAGAGCTCTGGAGAAAATGGTGTGTGGTGTGTTTCTCTGGGCTCAGTGATAGT 979
QY 961 AACATGACAGAGAAAAGGGCCAAATGTAATTTGCAACAGCCCTTGGCAAGATCCCAAAAAG 1020
Db 980 AACACATCAGAGAAAAGGGCCAAATGTAATTTGCAACAGCCCTTGGCAAGATCCCAAAAAG 1039
QY 1021 GTTCTGTGGAGATTTGATGGGAATAAACCAAGATGCTTATAGTCTCAATCTCGGCTGTAT 1080
Db 1040 GTTCTGTGGAGATTTGATGGGAATAAACCAAGATGCTTATAGGACTCAATCTCGGCTGTAT 1099
QY 1081 AAGTGGATACCCCAAGATGACTCTTAGGTCTATCCAAAACCAAGAGCTTTTATTAATCAT 1140
Db 1100 AAGTGGATACCCCAAGATGACTCTTAGGTCTATCCAAAACCAAGAGCTTTTATTAATCAT 1159
QY 1141 GGTGGAGCCAATGGCATCTATGAGGCAATCTACCAATGGGATCCCTTATGGTGGGCAATCCA 1200
Db 1160 GGTGGAGCCAATGGCATCTATGAGGCAATCTACCAATGGGATCCCTTATGGTGGGCGTTCCA 1219
QY 1201 TTGTTTTGGGATCAACCTGATTAACATTTGCTCAGATGAAGGCCAAGGAGGAGCTGTAGA 1260
Db 1220 TTGTTTTGGGATCAACCTGATTAACATTTGCTCAGATGAAGGCCAAGGAGGAGCTGTAGT 1279
QY 1261 TTGACTTCAACAAATGTCAGTACAGACCTGCTGAATGCACTGAAGACAGTAAATTAAT 1320
Db 1280 TTGACTTCCACAAATGTCAGTACAGACTTACTCAATGCACTGAAGACAGTAAATTAAT 1339
QY 1321 GATCCTTTATTAAGAGAAATTAATGAATTAATCAAGAAATTCAGATGATCAACCAAGTGA 1380
Db 1340 GATCCTTTATTAAGAGAAATGCTATGAATTAATCAAGAAATTCAGATGATCAACCAAGTGA 1399
```

```
QY 1381 AAGCCCTTGGATCGAGCAGTCTTCTGGATTTGAATTTCTCATGCCCCACAAAGGAGCCAAA 1440
Db 1400 AAGCCCTTGAAGAGCAGTCTTCTGGATTTGAATTTCTCATGCCCCATAAAGGAGCCAAAG 1459
QY 1441 CACCTTGGAGTTGAGAGCCCATGACCTCACCTGGTTCAGTACCACTCTTTTGGATGTGATT 1500
Db 1460 CACCTTGGGTTGAGAGCCACGACCTCACCTGGTTCAGTACCACTCTTTTGGATGTGACT 1519
QY 1501 GGGTTTCTGCTGGCCTGTGTGGCAACTGTGTATATTTATCATCAAAAGTTTGTCTGTTT 1560
Db 1520 GGGTTTCTGCTGGCCTGTGTGGCAACTGTGTATATTTATCATCAAAA---ATGCTCTGTTT 1576
QY 1561 TGTCTTGGAGTTTGTCTAGAAAGGGAAGGAAAGAGATTAGTTATGTCTGACA 1620
Db 1577 TGTCTTGGAGTTTGTCTAGAAAGGGAAGGAAAGAGATTAAATACGTCTGAGG 1636
QY 1621 TTTGAAGCTGGAAAACAGATAGATAGCAAACTTTCAGTTTATTTCCAGCAAGAAAGAAA 1680
Db 1637 CTGGAAGCTGGAAAACCAATTAAT-GAATCTCTTTAGTTTATTTACAACAAGAA--GACG 1693
QY 1681 GATTGTTATGCAAGATTCTTTCTCTCTGTGAC 1713
Db 1694 TTGTGATACAAGAGATTCTTTCTCTGTGAC 1726

RESULT 8
US-09-949-016-1128
; Sequence 1128, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; PRIOR FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1128
; LENGTH: 2093
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-1128

Query Match 78.4%; Score 1343; DB 4; Length 2093;
Best Local Similarity 88.4%; Pred. No. 0;
Matches 1515; Conservative 0; Mismatches 190; Indels 8; Gaps 5;

QY 1 ATGCGATTGCACCAAGGATGACTCTGAAATGCACTTTCAGTTCTTCTGCTGATACATCTCCA 60
Db 22 ATTGCATTGCATCAGGATGCTATGAAATGCACTTTCAGTTCTTCTGCTGATACAGCT-GA 80
QY 61 GTTGTTACTTTTAGCTCTGGGAGTTGTGAAAAGTGTGTTGGGCGCGCAAAATACAGCC 120
Db 81 GCTGTACTTTTAGCTCTGGGAGTTGTGAAAAGTGTGTTGGGCGCGCAAAATACAGCC 140
QY 121 ATTGGATGAATATGAAGCAATCTCTGAAAGAGCTTGTTCAGAGAGGTCATGAGTGACTG 180
Db 141 ACTGGATGAATATAAAGCAATCTCTGATGAACTTGTTCAGAGAGGTCATGAGTGACTG 200
QY 181 TACTGGCATCTTCAGCTTCCATTTCTTTTTCATCCCAATGATGCATCCACTCTTAAATTG 240
Db 201 TATTGGCATCTTCAGCTTCCATTTCTTTTCATCCCAAGCCCACTACTCTTAAATTG 260
QY 241 AAGTTTATCTCATCTTTTAACTAAAACTGAAATTTGAGAATATCATCATCAACAGGTTA 300
Db 261 AAGTTTATCTCATCTTTTAACTAAAACTGAGTTTGGAGTATTTATCAAGCAGCTGGTTA 320
```

Qy	301	AGAGTGTCTGACACATTTCGAAAGATAGCTTTTGGTTATATTTTTTCAAGAAACGAGAAA	360
Db	321	AGAGATGGCGAGAACTTCCAAAAGACACATTTTGGTCATATTTTTTTCACAGTGTACAGAAA	380
	361	TCCTGTGGGAATTATGACATATTTAGAAACTTCTGTAAAGATGTAGTTTCAAAATAGA	420
Db	381	TCATGTGGACATTTAATGACATACTTAGAAGTCTCTGTAAGATATAGTTTCAAAATAGA	440
	421	AAGTTATGAAAACCTACAGAGTCAAGATTTGACATCGTTTTTGCAGATGCTGTTTTC	480
Db	441	AACTTATGAAGAACTACAGGAGTCAAGATTTGATTTGTTCTTTCGACATGCTGTTTTC	500
	481	CCTGTGTGAGCTGCTGGCTCGCTACTTTAACATACGGTTTGTGTACAGTCTCGCTTTA	540
Db	501	CCTTTGGTGAGCTGCTGCCAGTTACTTTAAATACCCCTTTGTCTACAGGCTCGCTTCT	560
	541	CTCCTGGCTACACAATTGAAAGGCACAGTGGAGGACTGATTTTCCCTCTTCTACATAC	600
Db	561	CTCCTGGCTACGCAATTTGAAAGCATAGTGGAGGACTCTCTTCCCTCTTCTATGTGC	620
	601	CTATTGTTATGCAAAATTAAGTGTGATCAAAATGACTTTTCATGGAGGGTAAAAATAGA	660
Db	621	CTGTGTTATGTCGAACCTAAGTGACCAAAATGACTTTTCATAGAGAGGGTAAAAATAGA	680
	661	TCTATGTGCTTTATTTTGACATTTTGGTTCGAAATGCTGTGATATGAAGAGTGGGATCAGT	720
Db	681	TCTATGTGCTTTATTTTGAATTTTGGTTCCAAATATTTTGAATGAAGAGTGGGATCAGT	740
	721	TTTACAGTGAAGTTTATGGAAGACCCACTACCTCTTATTTTGACACAATGGGAAAAGCTGACA	780
Db	741	TCTACAGTGAAGTCTAGGAGAGCCCACTACGTTATCTGAGACAATGGCAAAAGCTGACA	800
	781	TATGGCTTATCGGAAACTCTCGGAGTTTTTCAATTTCTCATCCATTTTACCAAAAGTTG	840
Db	801	TATGGCTTATTCGAACTACTCGGATTTTTCAATTTTCTCACCCACTCTTACCAATGTTG	860
	841	ATTTTGTGGAGGATTCACACTGGCAAACTCGCAAAACCCCTACCTTAGGAAATGGAGGAG	900
Db	861	AGTTCTGTTGGAGGACTCCACT-GCAAACTCGCAAAACCCCTACCGAAGGAAATGGAAGAG	919
	901	TTTGTACAGAGCTCTGGAGAAAAATGGTGTGTGGTGTGTTTTCTCTGGGGTCAAGTAAAGT	960
Db	920	TTTTGTCCAGAGCTCTGGAGAAAAATGGTGTGTGGTGTGTTTTCTCTGGGGTCAAGTAAAGT	979
	961	AACATGACAGCAGAAAGGGCCCAATGTAAATGCCAAGCCCTTGCCAGAGATCCCAAAAAG	1020
Db	980	AACACGTGAGAAAGAGGGCCCAATGTAAATGTCATCAGCCCTTGCCAGAGATCCCAAAAAG	1039
	1021	GTTCTGTGGAGATTTGATGGGAATAAACACAGATCGTTAGTGTCATACCTCGGCTGTAT	1080
Db	1040	GTTCTGTGGAGATTTGATGGGAATAAACACAGATCTTTAGGACTCAATACCTCGGCTGTAT	1099
	1081	AAGTGGATACCCAGAAATGACCTTCTAGGTCAATCCAAAAACAGAGCTTTTATTAACCTCAT	1140
Db	1100	AAGTGGATACCCAGAAATGATCTTCTGGTCAACCCAAAAACAGAGCTTTTATTAACCTCAT	1159
	1141	GGTGGACCAATGGCATCTATGAGGCAATCTACCATGGGATCCCTATGTGGGCAATTTCCA	1200
Db	1160	GGTGGACCAATGGCATCTATGAGGCAATCTCTCTAGAAATCCCTATGTGGGCGTTCCA	1219
	1201	TTGTTTTGGGATCAACCTGATAACATTTGCTCACATGAAGGCCAAGGAGGAGCGTGTAGA	1260
Db	1220	TTGTTTGGAGATCAACCTGATTAACATTTGCAACATGAAGGCCAAGGAGGAGCGTGTAGT	1279
	1261	TTGACCTTCAACACAATGTGAGTACAGACCTGCTGTAATGCACTGGAAGACAGTAATTAAT	1320
Db	1280	TTGACCTTCCACAAATGCTGAGTACAGACTTACTCAATGCACCTGAAGACAGTAATTAAT	1339
	1321	GATCCTTTATATAAGAAATATTTATGAAATTTATCAAGAAATTTCAACATGATCAACAGTA	1380
Db	1340	GATCCTTTATATAAGAAATGCTATGAAATTTATCAAGAAATTTCAATGATCAACAGTGT	1399

RESULT 9

US-09-180-852-1

US-09-180-832-I
: Sequence 1. Application IIS/09180852

Sequence 1, Application No. 6287834

Patent No. 6287834
GENERAL INFORMATION.

; GENERAL INFORMATION:
: APPLICANT: BELANGER Alain

APPLICANT: BELANGER, AL

APPLICANT: HUM, Dean W.

APPLICANT: BEAULIEU, Martin

APPLICANT: LEVESQUE, ERIC

; TITLE OF INVENTION: CHARACTERIZATION AND USE OF AN IS

; TITLE OF INVENTION: DIPHOSPHO-GLUCURONOSYL-

; FILE REFERENCE: 1259-449

; CURRENT APPLICATION NUMBER: US/09/180,852

; CURRENT FILING DATE: 1999-02-08

; EARLIER APPLICATION NUMBER: PCT/CA97/0032

; EARLIER FILING DATE: 1997-05-16

; EARLIER APPLICATION NUM

; EARLIER FILING DATE: 1996-0

; NUMBER OF SEQ

; SOFTWARE: Pat

; SEQ ID NO 1

; LENGTH: 2107

LENGTH: 2107
; TYPE: DNA

ORGANISM: HOM

CREATION. HOW SUPREME
: FEATURE:

NAME/KEY: C

Query Match 70.1%: Score 1201.6: dB 3: Length 2107:

Query Match 70.1%; SCORE 1201.6;
Best Local Similarity 83.6%; Pred No 0.

BEST LOCAL SIMILARITY 83.6%; PRED. NO. 0;
Matches 1435: Conservative 0: Mismatches 269: Indels 12: Gaps 6:

1 ATCGCATTGCACCAGGATGACTCTGAAATGGACTTCTCAGTTCTTCTGCTGATACATCTCCA 60

QY I A T C C A T T G C A C C A G G A T G A C T C T G A A T T G G A C T T C A G T T C T T C T G C T G A T A C A T C T C C A 80

61 GTGTACTTTAGCTCTGGGAGTTGTGGAAAAGTGCTGGTGTGGCGCAGAAATACAGCC 120

QY 81 GTTGTACCTTATAGCTCTGGGAGTCTGGTAAATAGTCTGGTGTGGCCGCAGAAATACAGCC T20

121 ATTGGATGAATATGAAGACAATCCTGAAAGAGCTTGTTCAGAGAGCGTCAATGAGGTCG 180

QY IZI AITGGATGAAATATGAAAGACAAATCCITGAAGAGAGCITGTTCAGAGAGAGGICATGAGGGTACATG 180

[illegible]

181 TAC TGG CAC TCT CAG CTT CCA TCT CTT TGA TCC CAA TGA TGC ATC CAC TCT TAA ATT TG 240


```
Db 184 TTCGGCTCTACTCTTGTCAATGCCAGTAAATCATCTGCTATTAAATTAGAAGTTTATCC 243
Qy 251 TACATCTTTAACTAAACCTGAATTTGAGAATATCATCATGCAACAGGTTAAGAGATGG-- 308
Db 244 TACATCTTTAACTAAACATGATTTGGAAGATCTCTCTGAAATTTCTGATAGATGGAT 303
Qy 309 -TCAGACATTCGAAGAATAGCTTTTGGTTATATTTTTCACAAGAACGAAGAAATCCCTGTG 367
Db 304 ATATGGTGTTCAAAAAATACATTTTGGTCTATATTTTTCACAATTTACAAGAAATTTGTGTG 363
Qy 368 GGAATATATGACATATTTAGAACTCTGTAAGAGTGTAGTTTCAATATAGAAAGTTAT 427
Db 364 GGAATATATGACATACAGTCTGTAAGAGTGTAGTTTCAATATAGAAAGTTAT 423
Qy 428 GAAAAAACTACAAGAGTCAAGATTTGACATCGTTTTTTCAGAGTCTGTTTTTCCCTGTGG 487
Db 424 GATGAACTACAAGATCAAGATTTGATGTCATCTGCGAGATGCCCTTAATCCCTGTGG 483
Qy 488 TGAGTGTGGCTGGCTACTTAAACATACAGGTTTGTGTGACAGTCTCGCTTTTACTCTGTG 547
Db 484 TGAGCTACTGGCTGAACCTATTTAAACATACACCTTTCTGTACAGTCTTCGATTTCTGTGTG 543
Qy 548 CTACACATTCGAAGGCACAGTGGAGGACTGATTTCCCTCTCTCTACATACCTATGT 607
Db 544 CTACACATTTGAGAAGAAATGTGGAGGATTTCTGTTCCTCTCTCTATGTACCTGTGT 603
Qy 608 TATGTCAAAATTAAGTGTCAATGACTTTTCATGGAGAGGTAAATAATATGATCTATGT 667
Db 604 TATGTCAAAATTAAGTGTCAATGATTTTCATGGAGAGGATTAATAATATGATACATAT 663
Qy 668 GCTTTATTTTGAATTTGGTTTCCAAATGTCTGATATGAAGAGTGGGATCAGTTTTTACAG 727
Db 664 GCTTTATTTTGAATTTGGTTTCCAAATTTATGATCTGAAGAGTGGGACCAAGTTTTATAG 723
Qy 728 TGAAGTTTGAAGAGCCACTACTTATTTGAGACATGGAAGCTGACATATGGCT 787
Db 724 TGAAGTTCTGAAGAGCCACTACTATTTTGAAGCAATGGGAAAGCTGAATTTGGCT 783
Qy 788 TATGGAACCTCTGGAGTTTCAATTTCTCTCATCTTCTTACCAACGTTGATTTGT 847
Db 784 CATTCGAACCTATTGGGATTTTGAATTTCTCTCGCCCATTTACCAATGTTGATTTGT 843
Qy 848 TGGAGGATTCACCTGGCAAACTGCCAAACCCCTACTTAAAGAAATGAGGAGTTTGTAC 907
Db 844 TGGAGGATTCACCT-GTAAACAGCAACCCCTGCCCTAAGGAAATGGAAGTTTGTGC 902
Qy 908 AGAGCTCTGGAGAAAATGGTGTGTGTGTTTCTCTGGGGTCAGTATAGTAACATGA 967
Db 903 AGAGCTCTGGAGAAAATGGTATTTGTGTGTGTTTCTCTGGGGTCAGTATAGTAACATGT 962
Qy 968 CAGCAGAAAGGGCCAAATGTAATTCGAACAGCCCTTGCCCAAGATCCCAAAAGGTTCTGT 1027
Db 963 CAGAAGAAAGTGCACATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1022
Qy 1028 GGAGATTTGATGGGAATAAACCAGATGCTTTAGGTCTCAATCTCGGCTGTATAAGTGA 1087
Db 1023 GGAGATTTGATGGCAAGAAGCCAAATCTTTAGGTTCCTCAATCTCGCTGTACAGTGT 1082
Qy 1088 TACCCAGAAATGACCTTCTAGGTCTATCCAAAAACAGAGCTTTTATTAATCATGTTGAG 1147
Db 1083 TACCCAGAAATGACCTTCTGGTCTATCCAAAAACCAAGCTTTTATAACTCATGGTGA 1142
Qy 1148 CCAATGGCATCTATGAGCAATCTACCATGGATCCCTATGTTGGGCAATTCATTTGTTT 1207
Db 1143 CCAATGGCATCTATGAGCGCATCTACCATGGATCCCTATGTTGGGCAATTCATTTGTTG 1202
Qy 1208 GGGATCAACCTGATTAACATTTGCTCACATGAAGGCCAAGGAGCAGCTGTTAGATTGGACT 1267
Db 1203 GGGATCAACATGATTAACATTTGCTCACATGAAGCCAAGGAGCAGCTGTTAGTTGGACA 1262
Qy 1268 TCAACAAATGTGAGTACAGACCTGCTGAATGCACTGAAGACAGTAAATTAATGATCTT 1327
Db 1263 TCAGGACCATGTCAAGTAGAGATTTGCTCAATGCAATTAAGTCAAGTCAATTAATGACCTG 1322
```

```
Qy 1328 TATATAAGAGAAATATTATGAAATTTCAAGAAATTTCAACATGATCAACCAAGTAAAGCCCC 1387
Db 1323 TCTATAAGAGAAATGTCATGAAATTTATCAAGAAATTTATCATGATCAACCAATGAAGCCCC 1382
Qy 1388 TGGATCGAGCAGTCTTCTGGAATTTGATGCAATTTGATGCCCCCAAGAGGAGCCAAACACCTTC 1447
Db 1383 TGGATCGAGCAGTCTTCTGGAATTTGATGCAATTTGATGCCCCCAAGAGGAGCCAAACACCTTC 1442
Qy 1448 GAGTTGAGCCCACTGACCTCACCTGGTTCCAGTACCACTCTTTGGATGTTGATTTGGGTTTC 1507
Db 1443 GAGTCCGAGCTCAACACTCACCTGGATCCAGTACCACTCTTTGGATGTTGATGATGATTC 1502
Qy 1508 TGCTGGCTCTGTGGCAACTGTGATATTTATCATCAAAAGTTTGTCTGTTTTGTTTCT 1567
Db 1503 TGCTGGCTCTGCTGGCAACTGTGATATTTATCATCAAAATTTTGCCTGTTTTGTTTCC 1562
Qy 1568 GGAAGTTTGTAGAAAAGGGAAGAGGAAAGAGATTTAGTTATGTTCTGATCATTTGAAG 1627
Db 1563 GAAAGCTTGGCAAAACAGAGAAAGAAAGAGATTTAGTTATATCAAAAGCCTGAAG 1622
Qy 1628 CTGAAAACCCAGATAGATAGCAAACTTTCAGTTTATTTCCAGCAAGAAAGAAAGATTTGT 1687
Db 1623 -TGAATGACTGAAAGATGGACTCCTCTTTATTT-----CAGCATGGAGGTTTAA 1675
Qy 1688 ATCAAGATTTCTTTCTTCTCTGTGAC 1713
Db 1676 ATGAGGATTTCTTTTCTCTGTGAC 1701
```

RESULT 11

US-09-813-918-1

; Sequence 1, Application US/09813918

; Patent No. 6383789

; GENERAL INFORMATION:

; APPLICANT: WEBSTER, Marion et al.

; TITLE OF INVENTION: ISOLATED HUMAN DRUG-METABOLIZING

; TITLE OF INVENTION: PROTEINS, NUCLEIC ACID MOLECULES ENCODING HUMAN

; TITLE OF INVENTION: DRUG-METABOLIZING PROTEINS,

; TITLE OF INVENTION: AND USES THEREOF

; FILE REFERENCE: CL001175

; CURRENT APPLICATION NUMBER: US/09/813,918

; CURRENT FILING DATE: 2001-03-22

; NUMBER OF SEQ ID NOS: 4

; SOFTWARE: Fast-Seq for Windows Version 4.0

; SEQ ID NO 1

; LENGTH: 1413

; TYPE: DNA

; ORGANISM: Human

US-09-813-918-1

Query Match 65.98; Score 1128.8; DB 3; Length 1413;

Best Local Similarity 85.44; Pred. No. 0;

Matches 1393; Conservative 0; Mismatches 12; Indels 227; Gaps 3;

```
Qy 1 ATCGCATTCACACAGGATGACTCTGAAATGGACTTCAGTTCTCTGCTGATACATCTCCA 60
Db 7 ATCAATTCACACAGGATGACTCTGAAATGGACTTCAGTTCTCTGCTGATACATCT-CA 65
Qy 61 GTTGTTACTTTAGCTCTGGAGTTGTGAAAAGTGTGGTGTGGCGCGCAAGATACAGCC 120
Db 66 GTTGTTACTTTAGCTCTGGAGTTGTGAAAAGTGTGGTGTGGCGCGCAAGATACAGCC 125
Qy 121 ATTGGATGATATGAACAACTCTGAAAGCTTGTTCAGAGAGTTCATGAGTGTGCTG 180
Db 126 ATTGGATGATATGAACAACTCTGAAAGCTTGTTCAGAGAGTTCATGAGTGTGCTG 185
Qy 181 TACTGGCATCTTCAGCTTCCATCTTTTGTGATCCCAATGATGATCACTCTTAAATTTG 240
Db 186 TACTGGCATCTTCAGCTTCCATCTTTTGTGATCCCAATGATGATCACTCTTAAATTTG 245
Qy 241 AAGTTTATCTTACATCTTTTAACTAAAACTGAATTTGAGAATATCATCATGCAACAGGTTA 300
```



```
Db 246 AAGTTTATCTACATCTTTAACTAAACCTGAATTTGAGAAATATCATCATGCAACAGGTTA 305
Qy 301 AGAGATGTGACAGATCTCGAAAGAGTAGCTTTTGGTTATATATTTTTCACAGAAACAAGAAA 360
Db 306 AGAGATGTGACAGATCTCGAAAGAGTAGCTTTTGGTTATATATTTTTCACAGAAACAAGAAA 365
Qy 361 TCCTGTGGGAATTTATATGACATATTTAGAAACTTCTGTAAAGAGTAGTTTCAAAATAGA 420
Db 366 TCCTGTGGGAATTTATGACATATTTAGAAACTTCTGTAAAGAGTAGTTTCAAAATAGA 425
Qy 421 AAGTTATCAAAAAACTACAAGAGTCAAGATTTGACATCGTTTTTGGCAGATGCTGTTTTTC 480
Db 426 AAGTTATCAAAAAACTACAAGAGTAAAGATTTGACATCGTTTTTGGCAGATGCTGTTTTTC 485
Qy 481 CCTGTGAGTGTGCTGCTGGCTGCTTAAACATACATACATACATACATACATACATACATAC 540
Db 486 CCTGTGAGTGTGCTGCTGGCTGCTTAAACATAC----- 521
Qy 541 CTCCTGGCTACACAATTTGAAGGCACATGAGGAGTGAATTTTCCCTCCTTCCATACATAC 600
Db 522 ----- 521
Qy 601 CTAATGTTATGTCAAAATTAAGTGATCAAAATGACTTTTCATGAGAGGGTAAAAAATATGA 660
Db 522 ----- 521
Qy 661 TCTATGCTCTTATTTTGCATTTTGGTTCCAAATGTCTGATATGAAGAGTGGGATCAGT 720
Db 522 ----- 521
Qy 721 TTTACAGTGAAGTTTtagGAGAGCCACTACCTTATTTTGACACATGGAAGAGCTGACA 780
Db 522 -----GACCCACTACCTTATTTTGACACATGGAAGAGCTGACA 560
Qy 781 TATGCTTTATGCAAACTCCTGGAGTTTTCATTTTCCCTCATCTTCTTACCAACAGTTG 840
Db 561 TATGCTTTATGCAAAACCCCTGGAGTTTTCATTTTCCCTCATCTTCTTACCAACAGTTG 620
Qy 841 ATTTTGTGGAGGATTCACCTGGCAAACTCGCCAAACCCCTACCTTAAGGAAATCGAGGAG 900
Db 621 ATTTTGTGGAGGATTCACCT-GCAAACTCGCCAAACCCCTACCTTAAGGAAATCGAGGAG 679
Qy 901 TTTGTACAGACTCTGGAGAAATCGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 960
Db 680 TTTGTACAGACTCTGGAGAAATCGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 739
Qy 961 AACATGACAGAGAAAGGGCCAAATGTAATTTGCAACAGCCCTTTGGCAAGATCCCAACAAAG 1020
Db 740 AACATGACAGAGAAAGGGCCAAATGTAATTTGCAACAGCCCTTTGGCAAGATCCCAACAAAG 799
Qy 1021 GTTCTGTGGAGATTGATGGGAATAAACACAGATGCTTTAGTGTCTCAATPATCTCGCTGTAT 1080
Db 800 GTTCTGTGGAGATTGACGGGAATAAACACAGATGCTTTAGTGTCTCAATPATCTCGCTGTAT 859
Qy 1081 AAGTGGATACCCAGAAATGACTTCTAGGTTCATCCAAAACACAGCTTTTATTAACTCAT 1140
Db 860 AAGTGGATACCCAGAAATGACTTCTAGGTTCATCCAAAACACAGCTTTTATTAACTCAT 919
Qy 1141 GGTGAGGCAATGGCATCTATGAGGCAATCTACATGGGATCCCTATGTTGGGCAATTTCCA 1200
Db 920 GGTGAGGCAATGGCATCTATGAGGCAATCTACATGGGATCCCTATGTTGGGCAATTTCCA 979
Qy 1201 TTGTTTGGGATCAACCTGATAAATTGCTCACATGAAGGCAAGGGAGCAGCTGTTTAGA 1260
Db 980 TTGTTTGGGATCAACCTGATAAATTGCTCACATGAAGGCAAGGGAGCAGCTGTTTAGA 1039
Qy 1261 TTGACTTTCAACAAATGCTCCAGTACAGACTGCTGATGACCTGACCTGACAGAGTAAAT 1320
Db 1040 TTGACTTTCAACAAATGCTCCAGTACAGACTGCTGATGACCTGACCTGACAGAGTAAAT 1099
Qy 1321 GATCCTTTATATAAGAGAAATTTATGAAATTTATCAAGAAATTTCAACATGATCAACAGTA 1380
Db 1100 GATCCTTTATATAAGAGAAATTTATGAAATTTATCAAGAAATTTCAACATGATCAACAGTA 1159
```

```
Qy 1381 AAGCCCTCGATCGAGCAGTCTTCTGGATTTGAATTTTGTCAATGCCCAACAAAGAGCCAAA 1440
Db 1160 AAGCCCTCGATCGAGCAGTCTTCTGGATTTGAATTTTGTCAATGCCCAACAAAGAGCCAAA 1219
Qy 1441 CACCTTCGAGTTGAGCCCATGACCTCACCTGGTTCCAGTACCACTCTTTGGGATGTGATT 1500
Db 1220 CACCTTCGAGTTGAGCCCATGACCTCACCTGGTTCCAGTACCACTCTTTGGATGTGATT 1279
Qy 1501 GGGTTTCTGCTGGCTGTGTGGCAACTGTGATATTTATCATCAAAAGTTTGTCTGTTT 1560
Db 1280 GGGTTTCTGCTGGCTGTGTGGCAACTGTGATATTTATCATCAAAAGTTTGTCTGTTT 1339
Qy 1561 TGTTTCTGGAAGTTTGTAGAAAAGGGAAGGGAAGGGAAGGATTTAGTTATGTCTGACA 1620
Db 1340 TGTTTCTGGAAGTTTGTAGAAAAGGGAAGGGAAGGATTTAGTTATGTCTCGACA 1399
Qy 1621 TTTGAGCTGGA 1632
Db 1400 TTTGAGCTGAA 1411

RESULT 12
US-10-060-311-1
; Sequence 1, Application US/10060311
; Patent No. 6713295
; GENERAL INFORMATION:
; APPLICANT: WEBSTER, Marion et al.
; TITLE OF INVENTION: ISOLATED HUMAN DRUG-METABOLIZING
; TITLE OF INVENTION: PROTEINS, NUCLEIC ACID MOLECULES ENCODING HUMAN
; TITLE OF INVENTION: DRUG-METABOLIZING PROTEINS, AND USES THEREOF
; FILE REFERENCE: C000117SDIV
; CURRENT APPLICATION NUMBER: US/10/060,311
; CURRENT FILING DATE: 2002-02-21
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: Fast-Seq for Windows Version 4.0
; SEQ ID NO 1
; LENGTH: 1413
; TYPE: DNA
; ORGANISM: Homo sapien
US-10-060-311-1
```

```
Query Match 65.9%; Score 1128.8; DB 4; Length 1413;
Best Local Similarity 85.4%; Pred. No. 0;
Matches 1393; Conservative 0; Mismatches 12; Indels 227; Gaps 3;

Qy 1 ATCGCATTCACACAGGATGACTCTGAAATGGACTTCAGTTCTTCTGCTGATACATCTCCA 60
Db 7 ATCACATTGCACAGGATGACTCTGAAATGGACTTCAGTTCTTCTGCTGATACATCT-CA 65

Qy 61 GTTGTACTTTAGCTCTGGAGTTGTGAAAAGTGTGTGGCGCGCAGAAATACAGCC 120
Db 66 GTTGTACTTTAGCTCTGGAGTTGTGAAAAGTGTGTGGCGCGCAGAAATACAGCC 125

Qy 121 ATTGGATGAATATCAAGACAATCTCTGAAGAGCTTGTTCAGAGAGGTCATGAGTGACTG 180
Db 126 ATTGGATGAATATCAAGACAATCTCTGAAGAGCTTGTTCAGAGAGGTCATGAGTGACTG 185

Qy 181 TACTGGCATCTTCAGCTTCCATTCTTTTTCATCCCAATGATGATCCACTCTTAAATTTG 240
Db 186 TACTGGCATCTTCAGCTTCCATTCTTTTTCATCCCAATGATGATCCACTCTTAAATTTG 245

Qy 241 AAGTTTATCTCATCTTTTAACTTAACTGAAATTTGAGAAATATCATCATGCAACAGGTTA 300
Db 246 AAGTTTATCTCATCTTTTAACTTAACTGAAATTTGAGAAATATCATCATGCAACAGGTTA 305

Qy 301 AGAGATGGTCAGACATTCGAAAGAGTAGCTTTTGGTTATATTTTTCACAGAAACAAGAA 360
Db 306 AGAGATGGTCAGACATTCGAAAGAGTAGCTTTTGGTTATATTTTTCACAGAAACAAGAA 365

Qy 361 TCCTGTGGGAATTTATATGACATATTTAGAAACTTCTGTAAAGAGTAGTTTCAAAATAGA 420
Db 366 TCCTGTGGGAATTTATATGACATATTTAGAAACTTCTGTAAAGAGTAGTTTCAAAATAGA 425
```

```
QY 421 AAGTTATGAAAAAATACAAAGAGTCAAGATTTGACATCGTTTTTCAGATGCTGTTTTTC 480
Db 426 AAGTTATGAAAAAATACAAAGAGTAAAGATTTGACATCGTTTTTCAGATGCTGTTTTTC 485
QY 481 CCGTGGTGGAGCTGCTGGCTGGCTACCTTAAACATACGGTTTGTGTACAGTCTCCGCTTAA 540
Db 486 CCGTGGTGGAGCTGCTGGCTGGCTACCTTAAACATAC----- 521
QY 541 CTCCTGGCTACACAATTTGAAAGGCACAGTGGAGGACTGATTTTCCTCCTCCTACATAC 600
Db 522 ----- 521
QY 601 CTATTTGTTATGTCAAAAATTAAGTGTATCAAAATGACTTTTCATGGAGAGGGTAAAAAATATGA 660
Db 522 ----- 521
QY 661 TCTATGTGCTTTATTTTGACTTTTGGTTCCAAATGCTGTGATATGAAGTGGGATCAGT 720
Db 522 ----- 521
QY 721 TTTACAGTGAAGTTTTTAGGAAGACCCACTACCTTATTTGAGACAATGGAAAAAGCTGACA 780
Db 522 -----GACCCACTACCTTATTTGAGACAATGGAAAAAGCTGACA 560
QY 781 TATGCTTTATGCGAAACTCCTGGAGTTTTCATTTTCCTCATCCATTTCTTACCACAACTGTG 840
Db 561 TATGCTTTATGCGAAACCCCTGGAGTTTTCATTTTCCTCATCCATTTCTTACCACAACTGTG 620
QY 841 ATTTTGTGGAGGATTCCTACCTGGCAAACTGCGCAAACTTACCTACCTAACGAAATGGAGAG 900
Db 621 ATTTTGTGGAGGATTTCCACT-GCAAACTGCGCAAACTTACCTAACGAAATGGAGAG 679
QY 901 TTTGTACAGAGCTCTGGAGAAATGCTGTGTGGTGTGTTTCTCTGGGCTCAGTGATAGT 960
Db 680 TTTGTACAGAGCTCTGGAGAAATGCTGTGTGGTGTGTTTCTCTGGGCTCAGTGATAGT 739
QY 961 AACATGACAGCAAGAAAGGCCAATGTAATTTGCAACAGAGCCCTTTGCCAAGATCCCAACAAAG 1020
Db 740 AACATGACAGCAAGAAAGGCCAATGTAATTTGCAACAGAGCCCTTTGCCAAGATCCCAACAAAG 799
QY 1021 GTTCTGTGGAGTTTGTATGGGATTAACACAGATGCTTATAGTCTCAATACTCGGCTGTAT 1080
Db 800 GTTCTGTGGAGTTTGTATGGGATTAACACAGATGCTTATAGTCTCAATACTCGGCTGTAT 859
QY 1081 AAGTGGATACCCAGAAAGTACCTCTAGTGTATCCAAACAAACAGAGCTTTTATTAATCTCAT 1140
Db 860 AAGTGGATACCCAGAAAGTACCTCTAGTGTATCCAAACAAACAGAGCTTTTATTAATCTCAT 919
QY 1141 GGTGGAGCAATGGCATCTATGAGGCAATCTACCATGGGATCCCTTATGGTGGGCAATTTCCA 1200
Db 920 GGTGGAGCAATGGCATCTATGAGGCAATCTACCATGGGATCCCTTATGGTGGGCAATTTCCA 979
QY 1201 TTGTTTTGGGATCAACCTGTAAACATTTGCTCAATGAAGGCCAAGGGAGAGCTGTGTAGA 1260
Db 980 TTGTTTTGGGATCAACCTGTAAACATTTGCTCAATGAAGGCCAAGGGAGAGCTGTGTAGA 1039
QY 1261 TTGGACTTCAACACAAATGTCGAGTACAGCTGCTGTAATGCACTGAAGACAGTAAATTAAT 1320
Db 1040 TTGGACTTCAACACAAATGTCGAGTACAGCTGCTGTAATGCACTGAAGACAGTAAATTAAT 1099
QY 1321 GATCCTTTATATAAAGAGAAATATATGAAATTTATCAAGAAATTTCAACATGATCAACCCAGTA 1380
Db 1100 GATCCTTTATATAAAGAGAAATATATGAAATTTATCAAGAAATTTCAACATGATCAACCCAGTA 1159
QY 1381 AAGCCCTTGGATTCGAGAGTCTTCTGGATTTGAAATTTGTCATGCCCCCAAAAGGAGCCAAA 1440
Db 1160 AAGCCCTTGGATTCGAGAGTCTTCTGGATTTGAAATTTGTCATGCCCCCAAAAGGAGCCAAA 1219
QY 1441 CACCTTCAGTTGACAGCCATGACCTCACCTGTTTCCAGTACCACTCTTTTGGATGTGATTT 1500
Db 1220 CACCTTCAGTTGACAGCCATGACCTCACCTGTTTCCAGTACCACTCTTTTGGATGTGATTT 1279
```

```
QY 1501 GGGTTTCTGCTGGCTGTGTGGCAACTGTGATATTTATCATCAAAAGTTTGTCTGTTT 1560
Db 1280 GGGTTTCTGCTGGCTGTGTGGCAACTGTGATATTTATCATCAAAAGTTTGTCTGTTT 1339
QY 1561 TGTTTCTGGAAGTTTGTAGAAAAGGGAAGGAAGGAAAAAGAGATTAGTTATGCTGTGACA 1620
Db 1340 TGTTTCTGGAAGTTTGTAGAAAAGGGAAGGAAGGAAAAAGAGATTAGTTATGCTGTGACA 1399
QY 1621 TTTGAAGCTGGA 1632
Db 1400 TTTGAAGCTGGA 1411
```

RESULT 13

```
US-09-949-016-2735
; Sequence 2735, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2735
; LENGTH: 1323
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-2735
```

```
Query Match 55.0%; Score 941.8; DB 4; Length 1323;
Best Local Similarity 83.6%; Pred. No. 1e-266;
Matches 1104; Conservative 0; Mismatches 212; Indels 5; Gaps 3;
```

```
QY 11 ACCAGGATGACTCTGAAATGGACTTCAGTTCTTCTGCTGATACATCTCCAGTTGTACTT 70
Db 5 ACCAGGATGCTCTGAAATGGAGCTCAGTCTTCTGCTGATACAGCT-CAGTTGTACTT 63
QY 71 TAGCTCTGGAGTTGTGAAAAAGTGTGTTGGGCGCAGAAATACAGCCATTTGATGAA 130
Db 64 TAGCTCTGGAAGCTGTGGAAGGTGCTAGTGTGGCCCAAGAAATACAGCCATTTGATGAA 123
QY 131 TATGAAGACAATCTGAAAGAGCTTGTTCAGAGAGGTCATGAGTACTGCTGCTGCTG 190
Db 124 TATGAAGACAATCTGGAAGAGCTTGTTCAGAGGGGTGATGAGGTGATCTGTTGATCATC 183
QY 191 TTCAAGCTTCCATCTCTTTTGTATCCCAATGATGTCATCTTAAATTTGAAGTTTATCC 250
Db 184 TTGCGTCTTACTCTTGTCAATGCCAGTAAATCATCTCTATTAATTTAGAAGTTTATCC 243
QY 251 TACATCTTTAACTAAACTGAAATTTGAGATATCATCATGCAACAGGTTTAAAGATGG-- 308
Db 244 TACATCTTTAACTAAAAAATTTTGGAAAGATTCTTCTTGAAAAATTTCTCGATAGATGAT 303
QY 309 -TCAGACATTCGAAAGATAGCTTTTGGTTATATTTTTCACAGAAACAAGAAATCCCTGTG 367
Db 304 ATATGGTGTTCAAAAAATACATTTTGGTCATATTTTTCACAAATTTCAAGAAATTTGTGTG 363
QY 368 GGAATTATATGACATATTTAGAAACTTCTGTAAAGATGTAGTTTCAAAATAGAAGTTAT 427
Db 364 GGAATATATGACTACAGTAAACAGCTCTGTAAAGATGCAGTTTGAATAGAAGTTAT 423
QY 428 GAAAAAACTACAGAGTCAAGATTTTGACATCGTTTTTTCAGATGCTGTTTTTCCCTGTGG 487
Db 424 GATGAAACTACAGAGTCAAAAGTTTGATGTCTTCTGCGAGATGCCCTTAATCCCTGTGG 483
```



```
Qy 848 TGGAGGATTCCACTGGCAAAACCTGCCAAACCCCTACCTAAGGAAATGAGGAGTTTGTAC 907
Db 844 TGGAGGACTTCACT-GTAAACAGCAAAACCCCTGCTTAAAGAAATGAGGAGTTTGTGC 902
Qy 908 AGAGCTCTGGGAGAAATGGTGTGGTGTGTTTCTCTGGGGTCAGTATAGTAACATGA 967
Db 903 AGAGCTCTGGGAGAAATGGTATTTGGTGTGTTTCTCTGGGGTCGATGATCAATCATGT 962
Qy 968 CAGCAGAAAGGGCCCAATGTAATTGCAACAGAGCCCTTGCCAAAGATCCCAAAAGGTTTCTGT 1027
Db 963 CAGAGAAAGTCCCAACATGATGATCAGCCCTTGCCAGATCCCAAAAGGTTTCTAT 1022
Qy 1028 GGAGATTTGATGGGAATAAACAAGATGCTTAGGTCTCAATACCTGGCTGTATAAGTGA 1087
Db 1023 GGAGATTTGATGGCAAGAAGCCCAATATCTTTAGGTTCCAATACCTCGACTGACAGTGGT 1082
Qy 1088 TACCCCAAGATGACCTTCTAGGTCAATCAAAACCAAGAGCTTTTATACTCATGTGGAG 1147
Db 1083 TACCCCAAGATGACCTTCTGGTCAATCCCAAAACCAAGAGCTTTTATACTCATGTGGAA 1142
Qy 1148 CCAATGGCATCTATGAGCAATCTACCATGGATCCCTATGCTGGGCATTCATTTGTTTT 1207
Db 1143 CCAATGGCATCTATGAGCGATCTACCATGGATCCCTATGCTGGGCATTCCTTTGTTG 1202
Qy 1208 GGGATCAACCTGATAAATGCTCACAATGAAGGCCAAGGAGCAGCTGTTAGATTGGACT 1267
Db 1203 GGGATCAACATGATAAATGCTCACAATGAAGGCCAAGGAGCAGCCCTCAGTGGACA 1262
Qy 1268 TCAACACAATGTCGAGTACAGACCTGCTGAATGCATCAAGACAGTAAATTAATGATCTT 1327
Db 1263 TCAGACCATGTCAAGTAGAGATTGCTCAATGCAATGCAATGCAATGCAATGCAATGCAATG 1322
Qy 1328 T 1328
Db 1323 T 1323

RESULT 15
US-09-796-594-241
; Sequence 241, Application US/09976594
; Patent No. 6673549
; GENERAL INFORMATION:
; APPLICANT: Furness, Michael
; APPLICANT: Buchbinder, Jenny
; TITLE OF INVENTION: GENES EXPRESSED IN C3A LIVER CELL CULTURES TREATED WITH STEROIDS
; FILE REFERENCE: PA-0041 US
; CURRENT APPLICATION NUMBER: US/09/976,594
; CURRENT FILING DATE: 2001-10-12
; PRIOR APPLICATION NUMBER: 60/240,409
; PRIOR FILING DATE: 2000-10-12
; NUMBER OF SEQ ID NOS: 1143
; SOFTWARE: PERL Program
; SEQ ID NO 241
; LENGTH: 2966
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc.feature
; OTHER INFORMATION: Incyte ID No. 6673549 997080.1
US-09-796-594-241

Query Match 43.4%; Score 742.8; DB 4; Length 2966;
Best Local Similarity 68.3%; Pred. No. 6.7e-208;
Matches 1056; Conservative 0; Mismatches 483; Indels 7; Gaps 2;

Qy 70 TTAGCTCTGGGAGTTGTGGAAGTGTGTTGTGGCGCAGAAATACAGCCATTTGGATGA 129
Db 82 TTGCTGTGGATTCTGTGGGAAGTCTCTGGTGTGGCCCTGTGACATGAGCCATTTGGCTTA 141
Qy 130 ATATGAAGACAATCTCTGAAGAGCTTTGTTACAGAGGTCATGAGGTGACTGTACTGGCAT 189
Db 142 ATGTCAAGGTCAATCTTAGAAGAGCTCATAGTGAGAGGCCATGAGTAACAGTATTGACTC 201
```

```
Qy 190 CTTCAGCTTCCATTCTTTTGGATCCCAATGATGATCCACTCTTAAATTTGAAGTTTATC 249
Db 202 ACTCAAGCCCTTCGTTAATTGACTACAGGAGCCCTCTGCAATTGAAATTTGAGGTGGTCC 261
Qy 250 CTACATCTTTAACTAAACCTGAATTTGAGAAATATCATCATCAACAGGTTAAGAGATGGT 309
Db 262 ATATGCCACAGGACAGAACAGAAATGAAATATTTGTTGACCTAGCTCTGA----- 315
Qy 310 CAGACATTTCCGAAAAGATAGCTTTTGGTTATATTTTTCACAAGAACAGAAATCTGTGGG 369
Db 316 ATGTCTTGCCAGGCTTATCAACCTGGCAATCAGTTATATAAAATTAATATGATTTTGTGTG 375
Qy 370 AATTATATGACATATTTAGAAACTTCTGTAAAGATGTAGTTTCAAATAAGAAAGTTATGA 429
Db 376 AATAAGAGGAACTTTAAATAATGATGTGTGAGAGCTTTATCTACAAACAGAGCTTATGA 435
Qy 430 AAAAATCTAAGAGTCAAGATTTGACATCGTTTGTGAGATGCTGTTTTCCCTGTGGTG 489
Db 436 AGAAGCTTACAGGAAACCAACTTACGATGTAATGCTTATAGACCCCTGTGATTCCTGTGGAG 495
Qy 490 AGCTGCTGGCTGCGCTACTTAAACATACGTTTGTGTACAGTCTCGCTTTTACTCTGCGT 549
Db 496 ACCTGATGGCTGAGTTGCTTGCAGTCCCTTTTGTGCTCACACTTAGAATTTCTGTAGGAG 555
Qy 550 ACACAATTGAAAGGCACAGTGGAGGACTGATTTTCCCTCTCTTCTACATACCTATTGTATA 609
Db 556 GCATATAGGAGGAACTGTGTGGGAACTTCCAGCTCCACTTTCTATGATGATCTGTGGCTA 615
Qy 610 TGTCAAAATTAAGTGTCAAAATGACTTTTCATGGAGAGGGTAAATAATATGATCTATGTGC 669
Db 616 TGACAGGACTAACACAGACAGATGACCTTTCTGGAAGAGATGAAAAATTCATGCTTTTCAG 675
Qy 670 TTTATTTTGGCTTTTGGTTCCAAATGCTGATATGAAGAAGTGGGATCAGTTTTTACAGTG 729
Db 676 TTTGTTCCACTTCTGGAATTCAGGATTCAGCACTATCATTTTGTGGGAAGAGTTTATAGTA 735
Qy 730 AAGTTTTAGGAAGACCCACTACCTTATTTGAGACAATGGGAAAGCTGACATATAGGCTTA 789
Db 736 AGCATTTAGGAGGCCCACTACATATGTGAGACTGTGGGAAAGCTGAGATATAGGCTAA 795
Qy 790 TGGAAACTCCTGGAGTTTCAATTTCTCATCACTTTTACCAACGTTGATTTGTTG 849
Db 796 TACGAACATATTTGGGATTTGAAATTTCTCAACCATACCAACCTTAACTTTGAGTTGTTG 855
Qy 850 GAGGATTCCTGCGCAACCTGCCAAACCCCTACTAAGGAAATGGAGGATTTGTACAG 909
Db 856 GAGGATTTGCACT-GTAAACCTGCCAAAGCTTTGCTTAAGGAAATGGAAATTTTGTCCAG 914
Qy 910 AGCTCTGGAGAAATGGTGTGTGGTGTGTTTCTCTGGGTCAGTGATAAGTAAACATGACA 969
Db 915 AGTTCAGGAGAGATGGTATTTGGTGTGTTTCTCTGGGGTCAGTGTTCAAAATGTTTACA 974
Qy 970 GCAGAAAGGCCCAATGTAATTGCAACAGCCCTTGCCAAAGATCCCAAAAAGTTTCTGTGG 1029
Db 975 GAAGAAAGGCTAATATCATTTGCTTTCAGCCCTTGCCAGATCCCAAGAGGTTGTTATGG 1034
Qy 1030 AGATTTGATGGGAATAAACCAGATGCTTAGTCTCAATCTCGGCTGTATAAGTGATA 1089
Db 1035 AGGTACAAGGAAAAAACCATCCACATTAGGAGCCAAATCTCGGCTGTATGATTGGATA 1094
Qy 1090 CCCAGAAATGACCTTCTAGGTGATCCAAAAACAGAGCTTTTATACTCATGTTGGAGGCC 1149
Db 1095 CCCAGAAATGATCTTCTGGTCAATCCCAAAACCAAGCTTTTATCTCATGTTGGGAATG 1154
Qy 1150 AATGGCATCTATGAGCAATCTACCATGGGATCCCTATGTTGGGCATTTCCATTTGTTGG 1209
Db 1155 AATGGGATCTATGAAGCTATTTACCATGGGCTCCCTATGTTGGGAGTTCCCATATTTGGT 1214
Qy 1210 GATCAACCTGATTAACATTTGCTCATAAGGCCAAGGAGGAGCTGTTAGATTGGACTTC 1269
Db 1215 GATCAGCTTGATAACATAGCTCAGATGAAGGCCAAAGGAGCAGCTGTAGAAAATAAACTTC 1274
```

Qy	1270	AACACAATGTCGAGTACAGACCTGCTGAATGCACTGAGACAGTAATTAATGATCCTTTA	1329
Db	1275	AAAACTATGACAAGCGAAGATTTACTGAGGGCTTTGAGAACAGTCATTACCAGATTCTCT	1334
Qy	1330	TATAAAGAGAATATTATGAAATTTATCAAGAATTCAACATGATCAACCACTAAAGCCCTG	1389
Db	1335	TATAAAGAGATGCTATGAGATTATCAAGAATTCAACATGATCAACCTGTAAGCCCTA	1394
Qy	1390	GATCAGCAGTCTTCTGGAATTGAATTTGTCTATGCCCCACAAAGGAGCAACACCTTCGA	1449
Db	1395	GATCGAGCAGTCTTCTGGATCGAGTTTGTCTATGGCCACAAAGGAGCCAGCACCTGCGA	1454
Qy	1450	GTTGCAGCCCATGACCTCACCTGGTTCCAGTACCACCTTTGGATGTGATGGGTTCTG	1509
Db	1455	TCAGCTGCCCATGACCTCACCTGGTTCCAGCACTACTCTATAGATGTGATGGGTTCTG	1514
Qy	1510	CTGGCCTGTGTGGCAACTGTGATATTTATCATCAAAAGTTTGTCTGTTTGTCTTCTGG	1569
Db	1515	CTGACCTGTGTGGCAACTGCTATATCTTGTTCACAAAATGTTTTTATTTTCTCTGCAA	1574
Qy	1570	AAGTTTGTAGAAAAGGGAAGGGAAGGGAAGGAGATTAGTTATGTC	1615
Db	1575	AAATTTAATAAACTAGAAAGATAGAAAAGGGAATAGATCTTTC	1620

Search completed: September 3, 2005, 09:18:01
Job time : 340 secs